

## EAA Reservoir A-1 Geotechnical Data Report

March, 2006

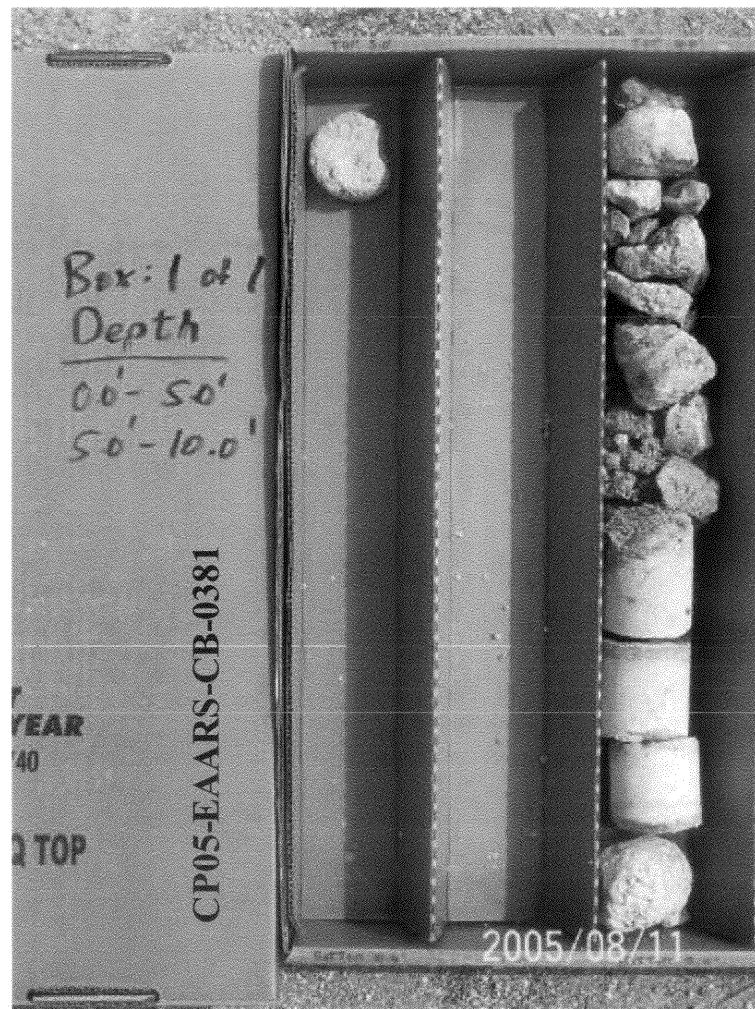


<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0380	
<b>Location</b>	South Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
5.50 to 10.00	88.00	20.37
10.00 to 12.00	88.00	50.00

# **APPENDIX 3**

## **ROCK CORES AND OTHER PHOTOGRAPHS: 381-416**

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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0381	
<b>Location</b>	East of Test Cell 1	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
0.00 to 5.00	38.00	0
5.00 to 10.00	1.00	0

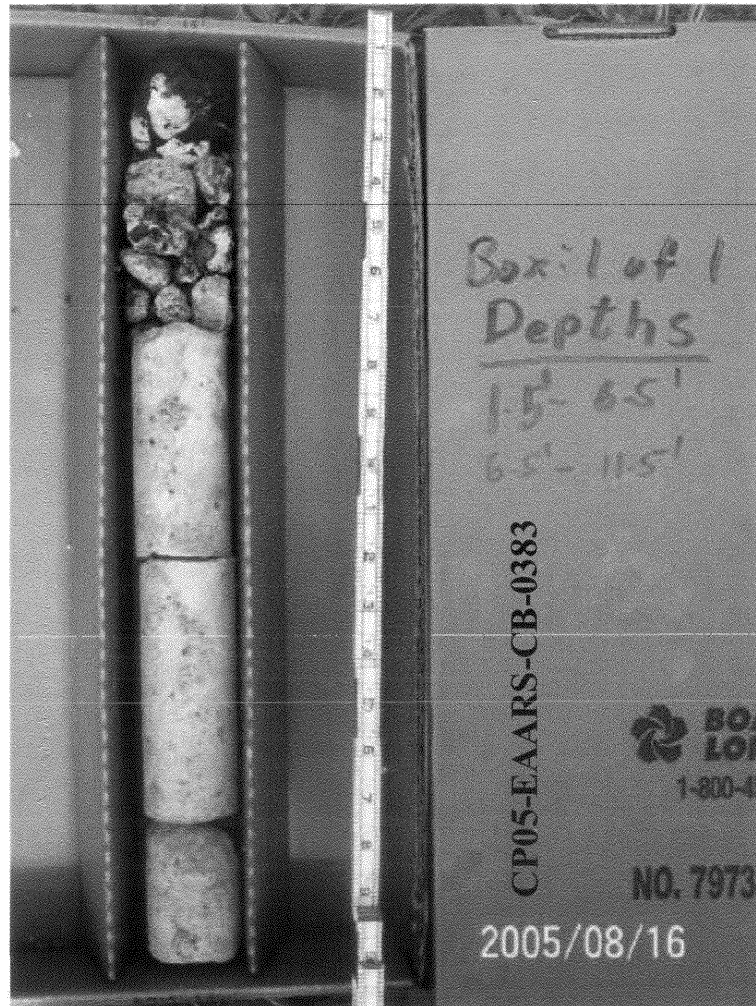


<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0382	
<b>Location</b>	South Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
5.50 to 10.00	5.00	0
10.00 to 15.00	30.00	26.00



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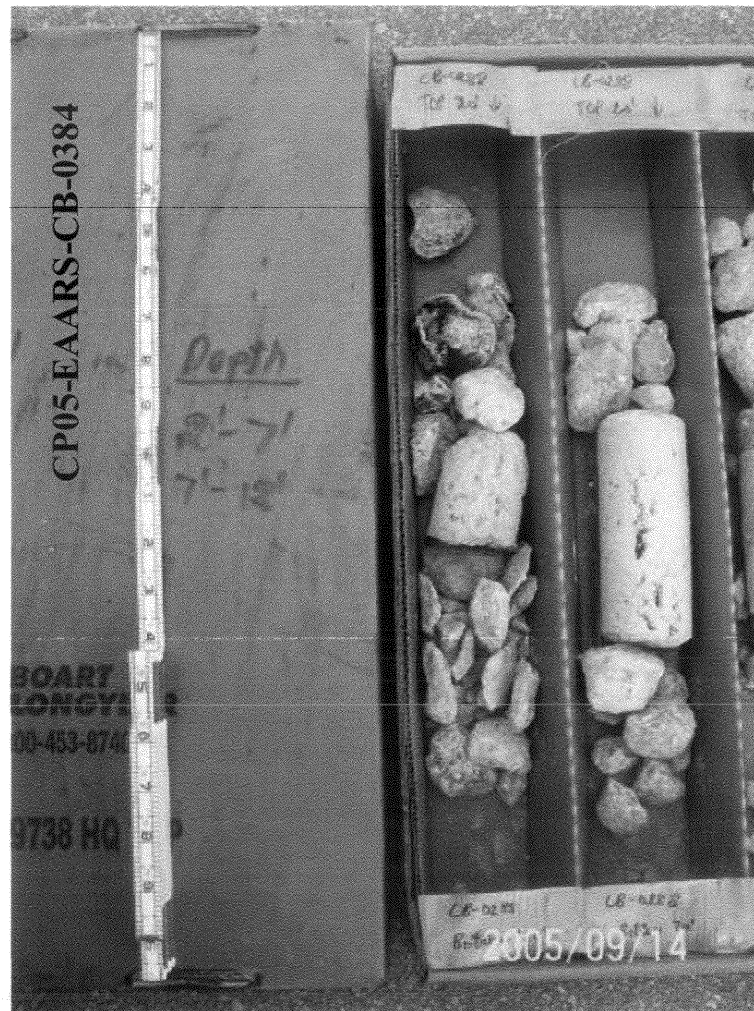
March, 2006



<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0383	
<b>Location</b>	West Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
1.50 to 6.50	38.00	20.00
6.50 to 11.50	0	0

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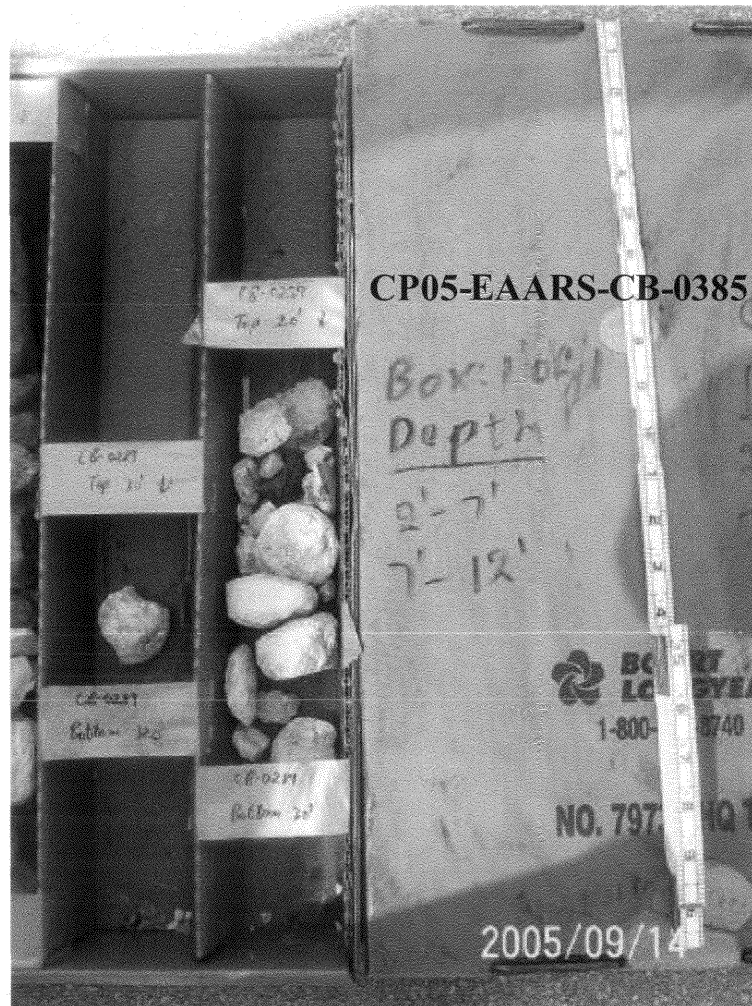
March, 2006



<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0384	
<b>Location</b>	East Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
2.00 to 7.00	24.00	10.00
7.00 to 12.00	24.00	0

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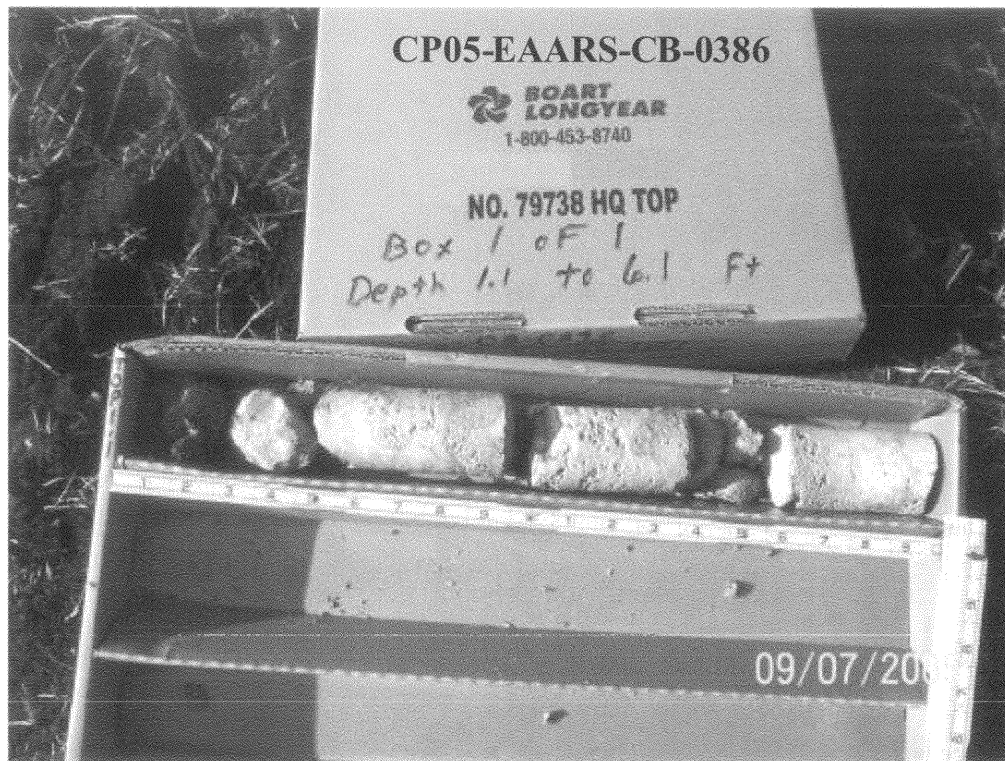
March, 2006



<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0385	
<b>Location</b>	Interior	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
2.00 to 7.00	16.00	0
7.00 to 12.00	2.00	0

## EAA Reservoir A-1 Geotechnical Data Report

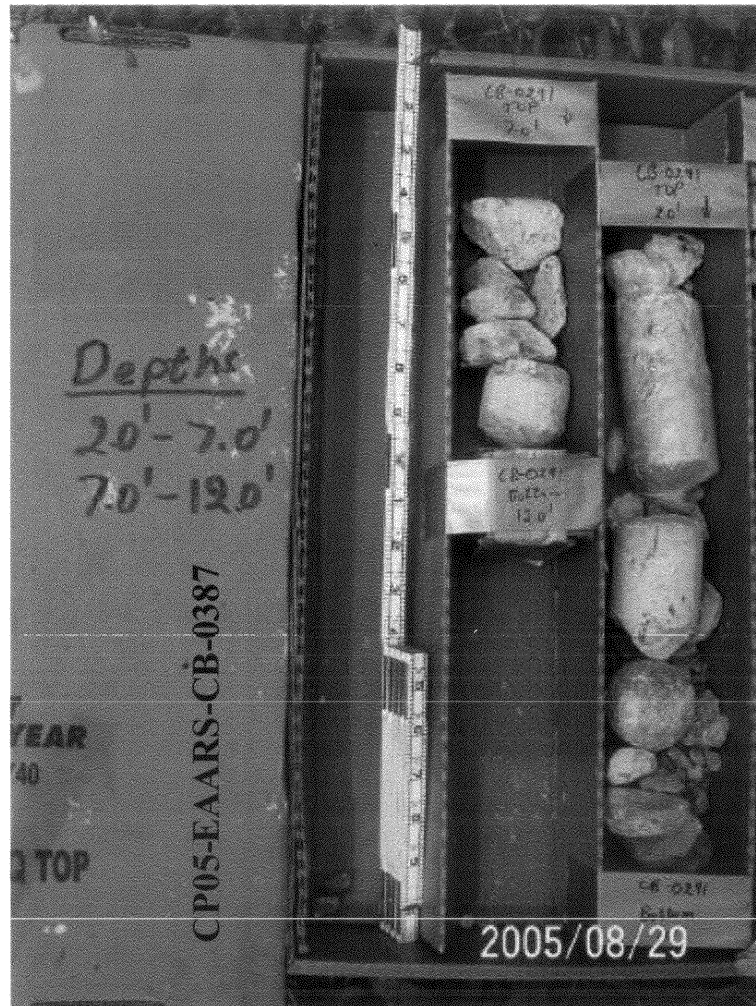
March, 2006



<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0386	
<b>Location</b>	West Side Interior	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
1.10 to 6.10	36.00	7.00

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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0387	
<b>Location</b>	North-East Section Interior	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
2.00 to 7.00	28.00	8.00
7.00 to 12.00	12.00	0



## EAA Reservoir A-1 Geotechnical Data Report

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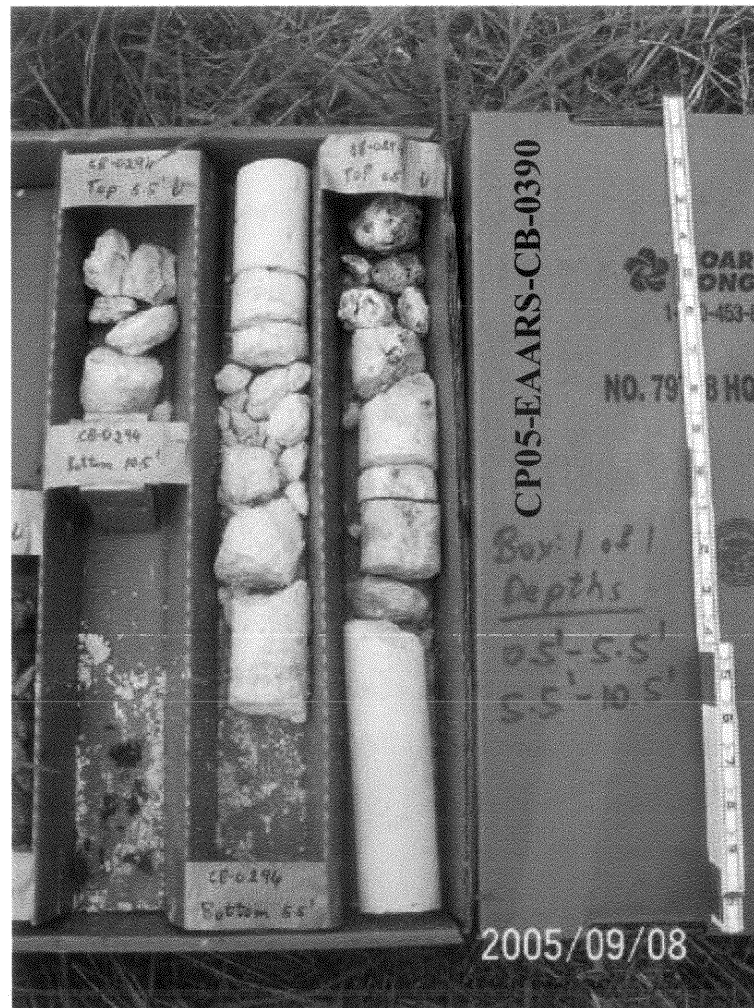


<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0388	
<b>Location</b>	West of Test Cell 1	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
0.00 to 5.00	38.00	13.00
5.00 to 10.00	24.00	14.00



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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0390	
<b>Location</b>	North West Section	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
0.50 to 5.50	68.00	20.00
5.50 to 10.50	12.00	0

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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0391	
<b>Location</b>	South Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
5.50 to 10.50	20.00	0

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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0392	
<b>Location</b>	North of Test Cell 1	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
0.00 to 5.00	48.00	30.00
5.00 to 10.00	0	0

## EAA Reservoir A-1 Geotechnical Data Report

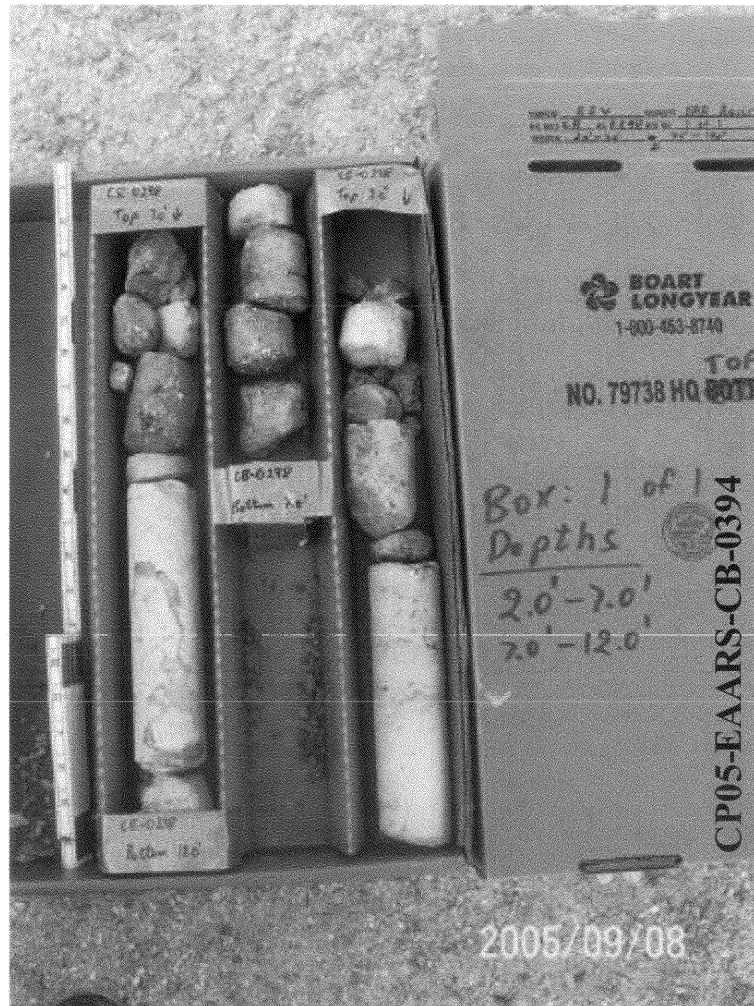
March, 2006



<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0393	
<b>Location</b>	South of Test Cell 2	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
0.00 to 5.00	40.00	22.00
5.00 to 10.00	6.00	0

## EAA Reservoir A-1 Geotechnical Data Report

March, 2006

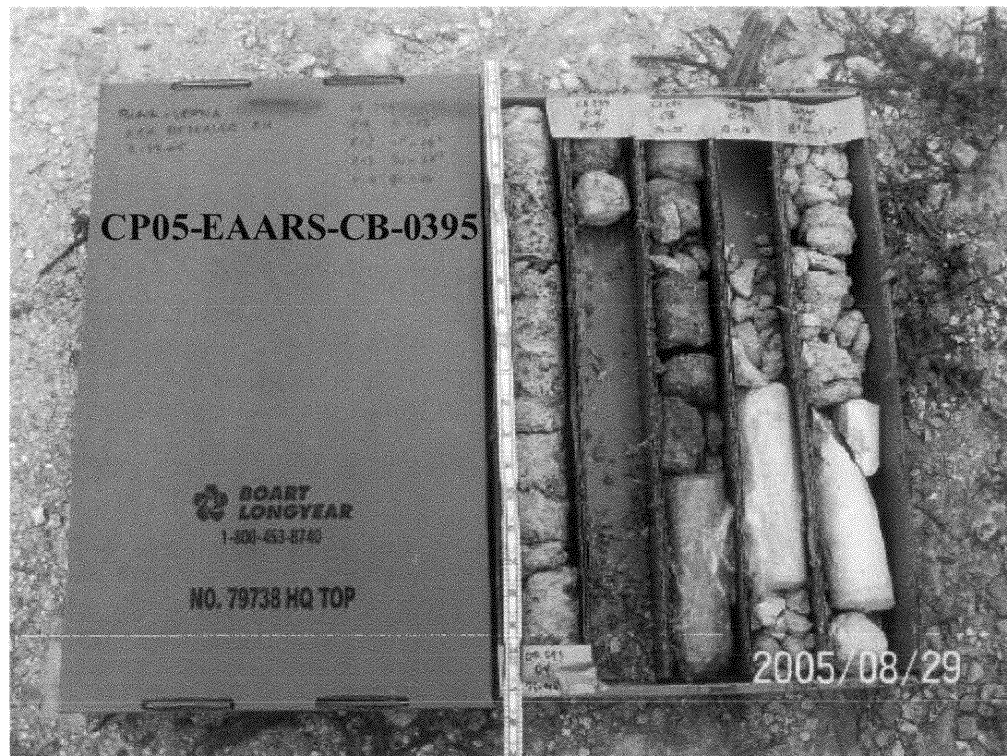


<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0394	
<b>Location</b>	East Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
2.00 to 7.00	50.00	15.00
7.00 to 12.00	38.00	15.00



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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0395	
<b>Location</b>	North-East Interior	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
8.00 to 13.00	36.00	20.00
13.00 to 18.00	18.00	13.00
30.00 to 35.00	29.00	13.00
35.00 to 40.00	40.00	24.00



## EAA Reservoir A-1 Geotechnical Data Report

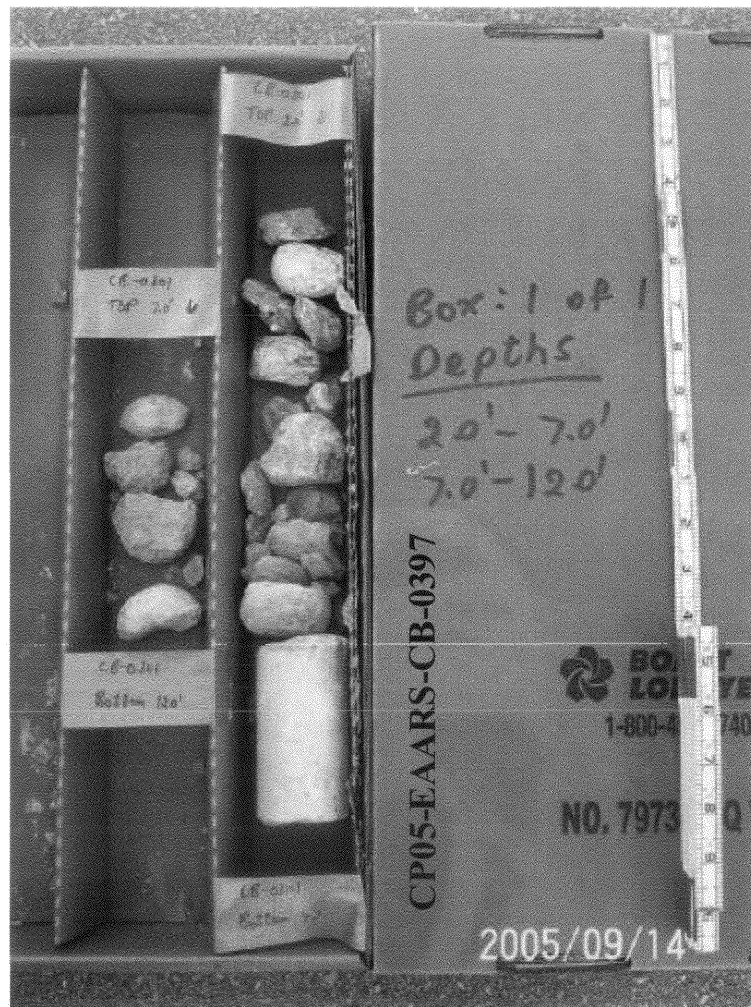
March, 2006



<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0396	
<b>Location</b>	East Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
3.00 to 8.00	80.00	28.00
25.00 to 30.00	11.00	0
30.00 to 35.00	26.00	10.00

## EAA Reservoir A-1 Geotechnical Data Report

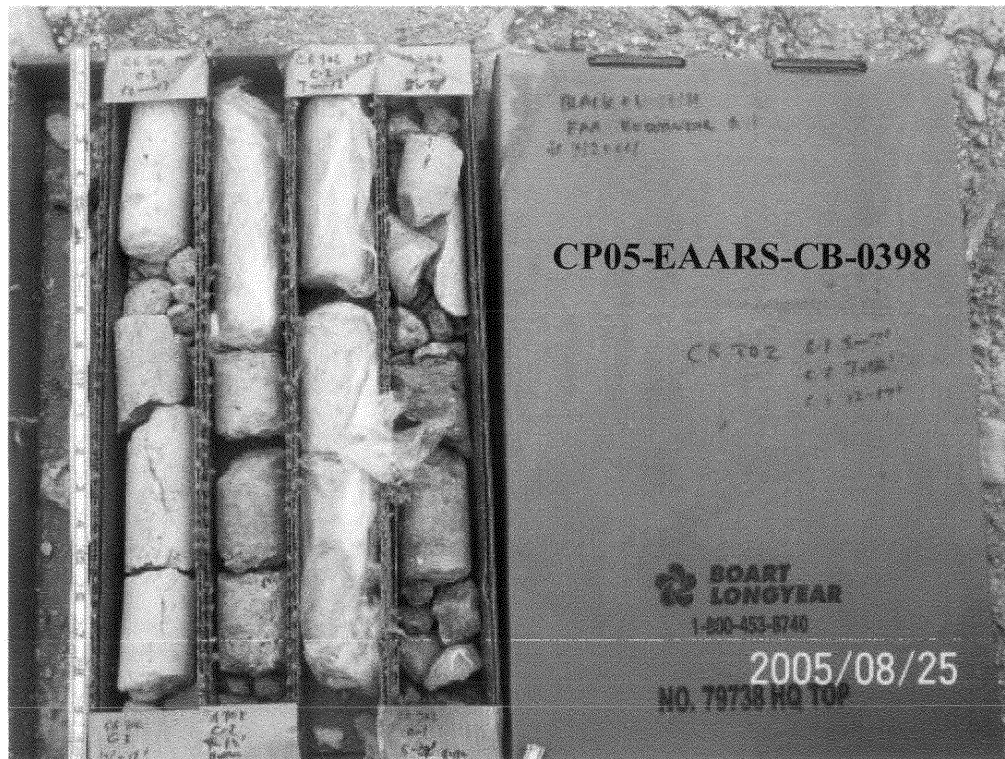
March, 2006



<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0397	
<b>Location</b>	Interior	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
2.00 to 7.00	24.00	8.00
7.00 to 12.00	6.00	0

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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0398	
<b>Location</b>	South Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
5.00 to 7.00	25.00	0
7.00 to 12.00	60.00	45.00
12.00 to 17.00	29.00	19.00

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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0399	
<b>Location</b>	South-West Corner	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
6.00 to 9.00	66.67	19.44
9.00 to 13.00	31.25	12.50

## EAA Reservoir A-1 Geotechnical Data Report

March, 2006

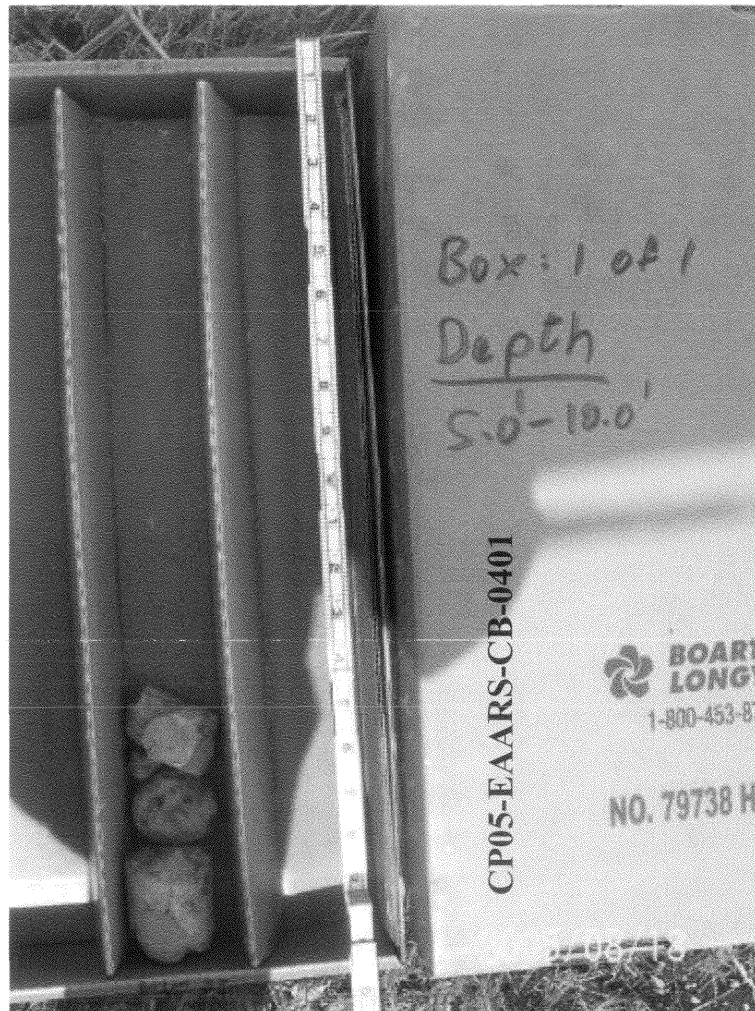


<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0400	
<b>Location</b>	West Central Farm Road	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
4.00 to 9.00	40.00	0
9.00 to 15.00	45.00	13.33
15.00 to 20.00	80.00	25.00
20.00 to 25.00	20.00	0



## EAA Reservoir A-1 Geotechnical Data Report

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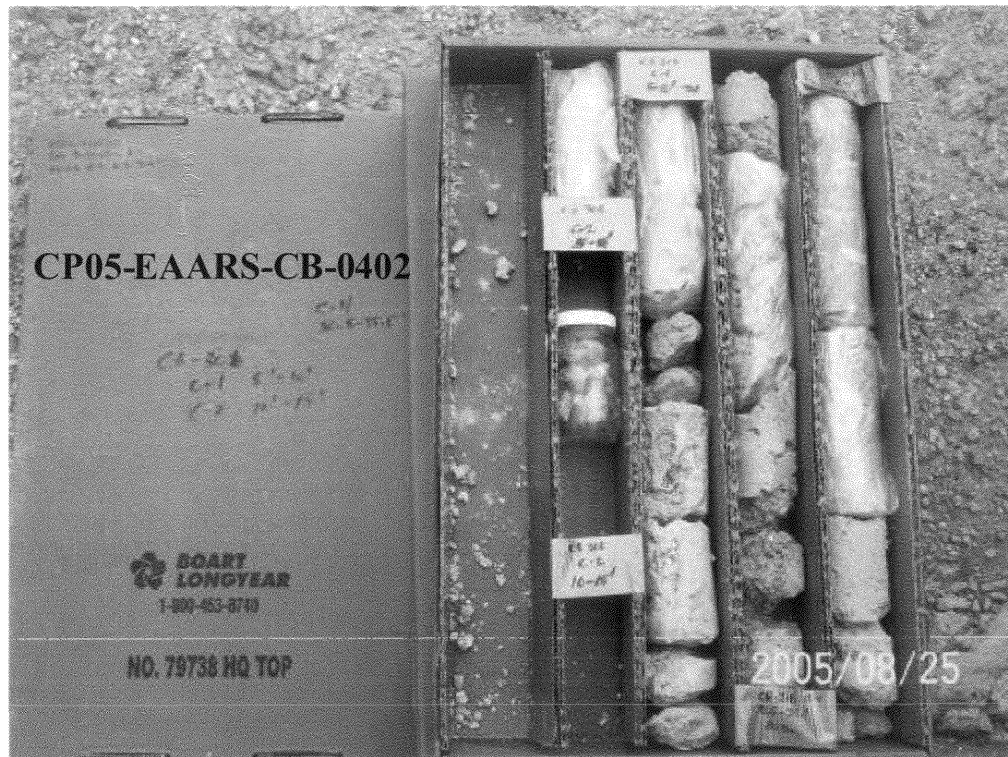


<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0401	
<b>Location</b>	West Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
5.00 to 10.00	10.00	0



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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0402	
<b>Location</b>	South Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
5.00 to 10.00	44.00	32.00
10.00 to 15.00	10.00	0

## EAA Reservoir A-1 Geotechnical Data Report

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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0403	
<b>Location</b>	West Central Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
5.00 to 10.00	55.00	25.00

## EAA Reservoir A-1 Geotechnical Data Report

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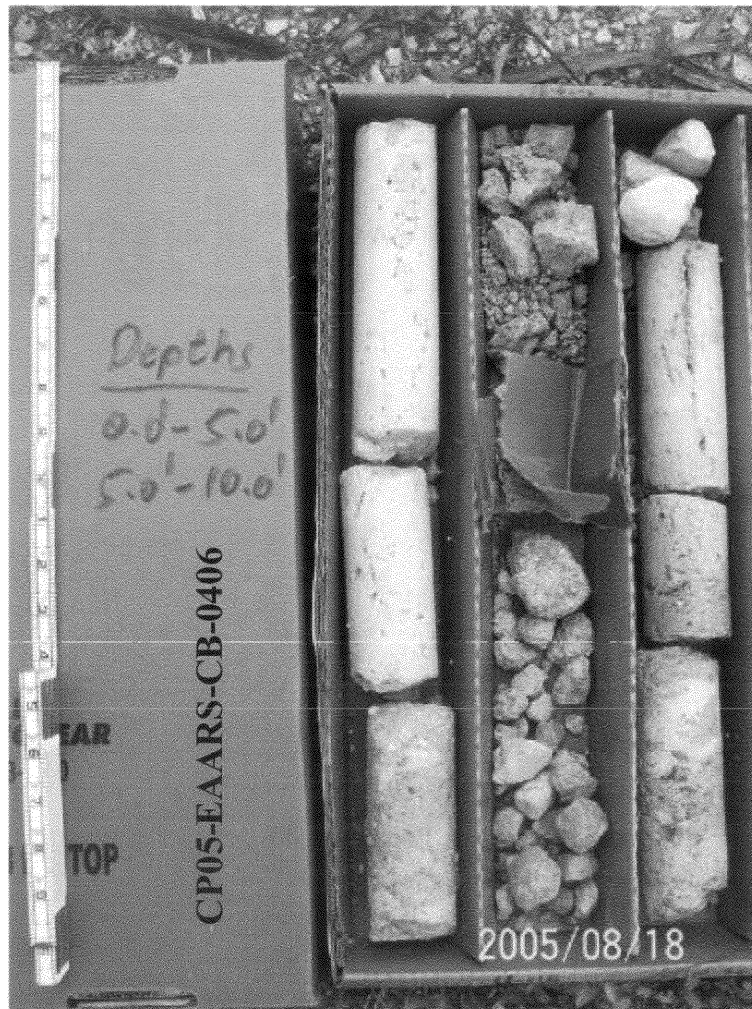
<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0404	
<b>Location</b>	West Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
1.50 to 6.50	42.00	28.00
6.50 to 11.50	6.00	0

## EAA Reservoir A-1 Geotechnical Data Report

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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0405	
<b>Location</b>	Interior	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
4.00 to 9.00	45.00	13.00
9.00 to 14.00	34.00	9.00
25.00 to 30.00	10.00	0
30.00 to 35.00	0	0



<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0406	
<b>Location</b>	North Section Interior	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
0.00 to 5.00	46.00	30.00
5.00 to 10.00	52.00	35.00



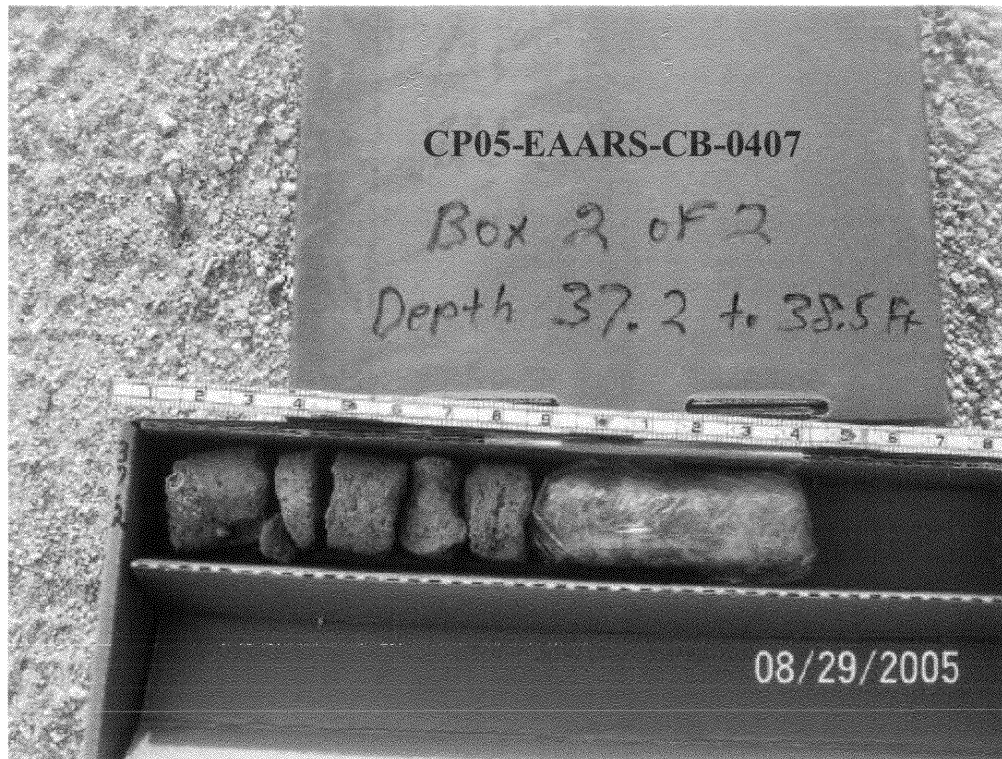
## EAA Reservoir A-1 Geotechnical Data Report

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<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0407 (Box 1 of 2)	
<b>Location</b>	East Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
5.50 to 10.50	50.00	18.00
28.50 to 33.50	28.00	14.00
33.50 to 38.50	74.00	48.00





<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0407 (Box 2 of 2)	
<b>Location</b>	East Side	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
5.50 to 10.50	50.00	18.00
28.50 to 33.50	28.00	14.00
33.50 to 38.50	74.00	48.00



<b>Project</b>	Everglades Agricultural Area	
<b>Boring Number</b>	CP05-EAARS-CB-0416	
<b>Location</b>	South Levee Road	
<b>Depth (feet)</b>	<b>Percentage Recovery</b>	<b>RQD</b>
12.00 to 17.00	61.67	49.17

# **APPENDIX 3**

## **OTHER PHOTOGRAPHS**

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**EAA Reservoir A-1 Geotechnical Data Report**

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**Rotosonic Drilling Technique**

Setup of the Rotosonic Drill Rig



**EAA Reservoir A-1 Geotechnical Data Report**

March, 2006

Setup of the Rotosonic Drill Rig

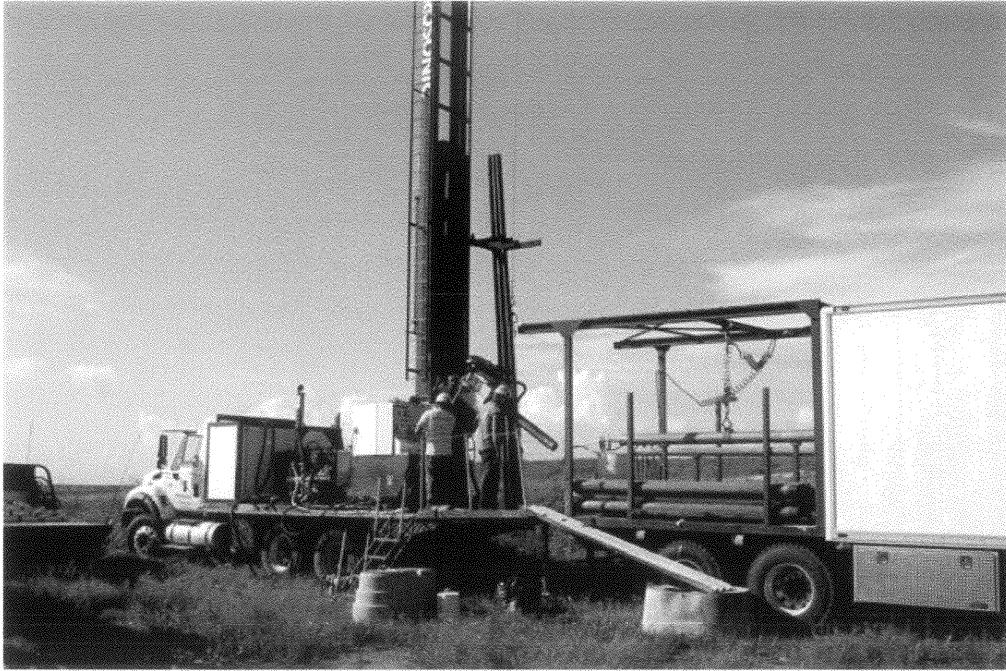




**EAA Reservoir A-1 Geotechnical Data Report**

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Hydraulic arm used for lifting



**EAA Reservoir A-1 Geotechnical Data Report**

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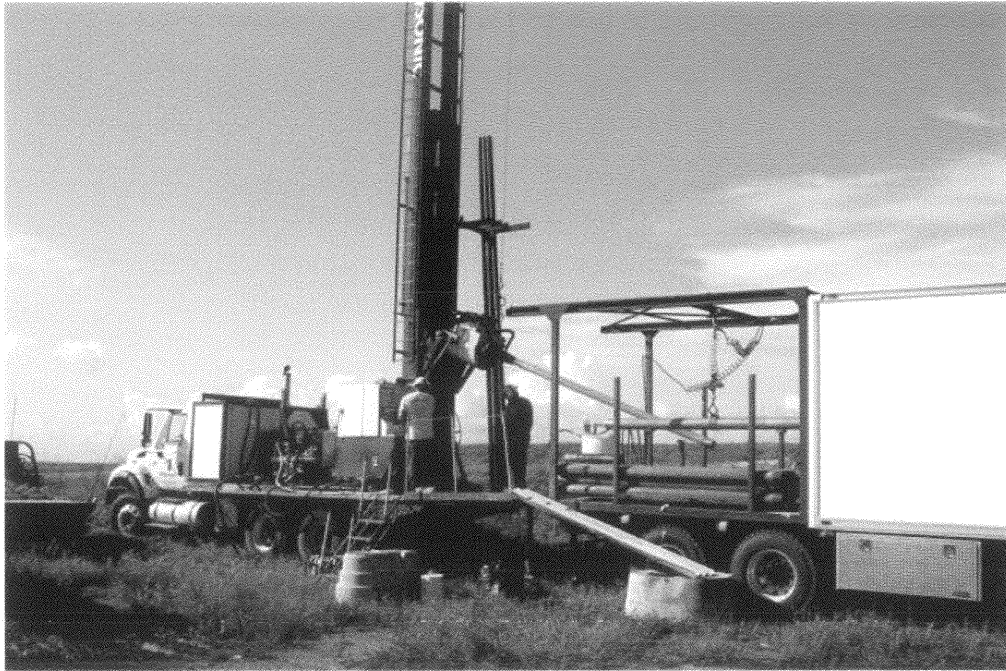
Attaching the next core barrel extension



**EAA Reservoir A-1 Geotechnical Data Report**

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Using the hydraulics to lift the core barrel extension piece



**EAA Reservoir A-1 Geotechnical Data Report**

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Lowering casing into the borehole



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Core Recovery in Progress





**EAA Reservoir A-1 Geotechnical Data Report**

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Core after bagging



Core recovered from the Rotosonic drilling

EAA Reservoir A-1 Geotechnical Data Report

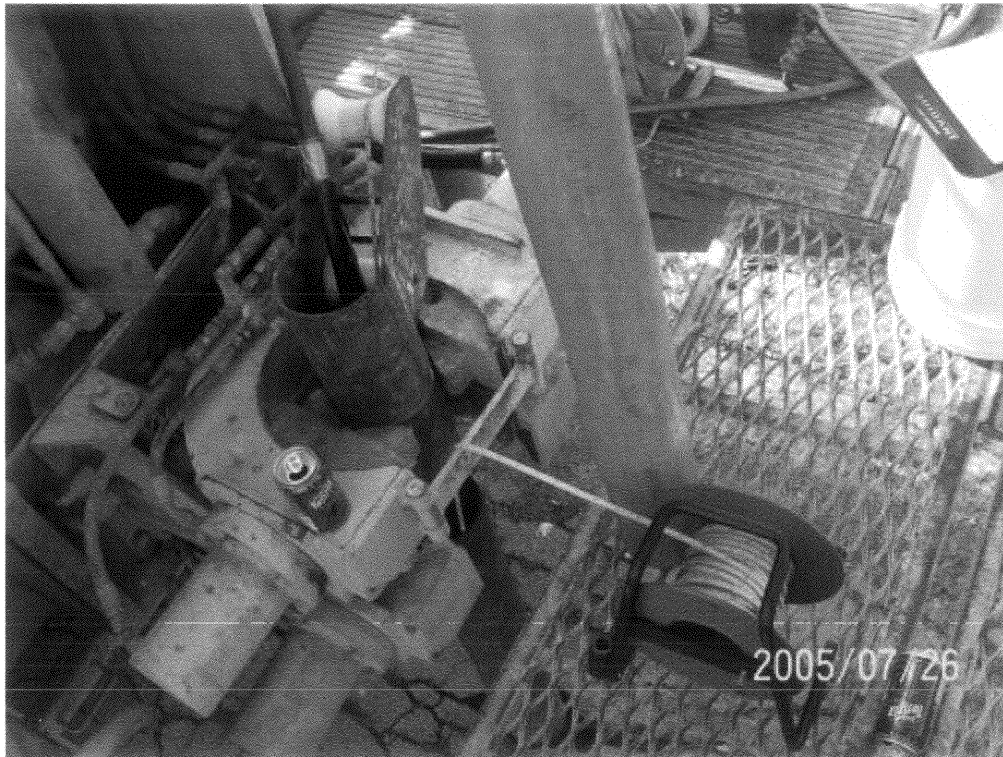
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**EAA Reservoir A-1 Geotechnical Data Report**

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Hydraulic Testing



**EAA Reservoir A-1 Geotechnical Data Report**

March, 2006

**Rotary Wash Boring**

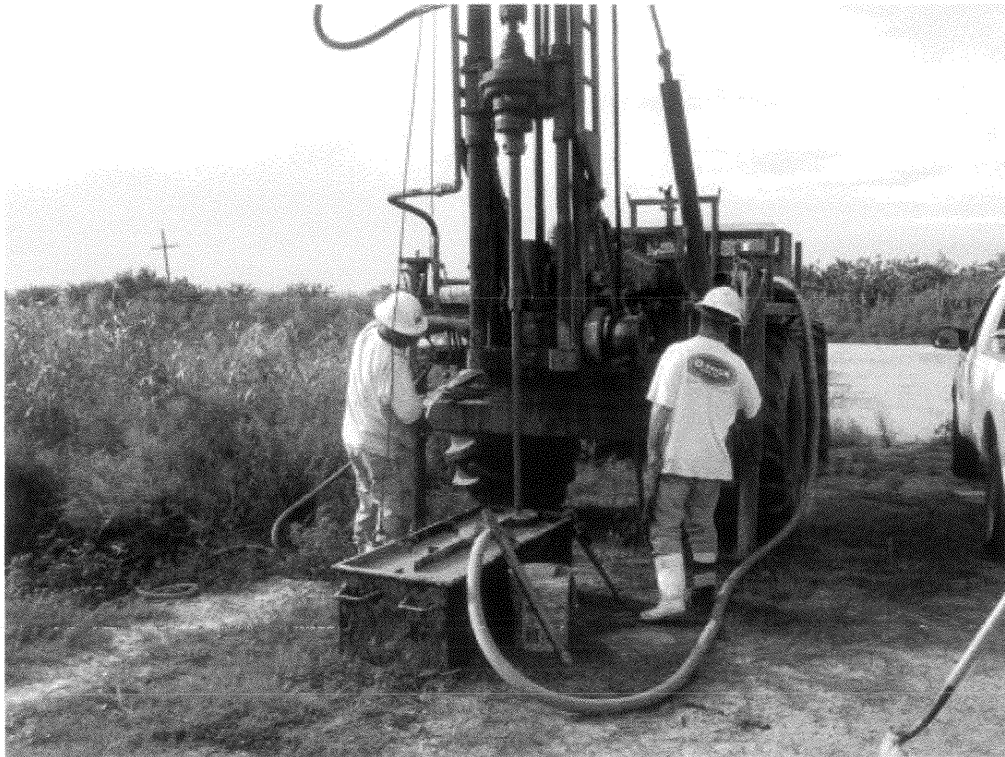
Setting up a Diedrich D-50 drill rig



**EAA Reservoir A-1 Geotechnical Data Report**

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Drilling with bentonite mud

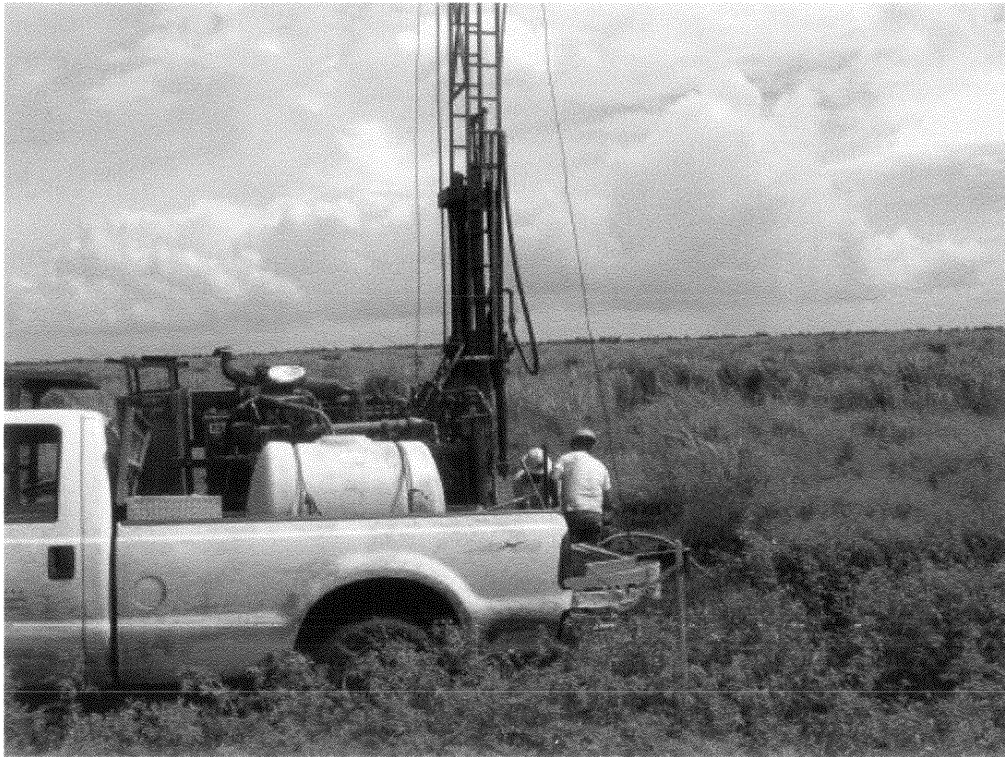




**EAA Reservoir A-1 Geotechnical Data Report**

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Diedrich D-50 drill rig with water supply tank



EAA Reservoir A-1 Geotechnical Data Report

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Grouting a hole



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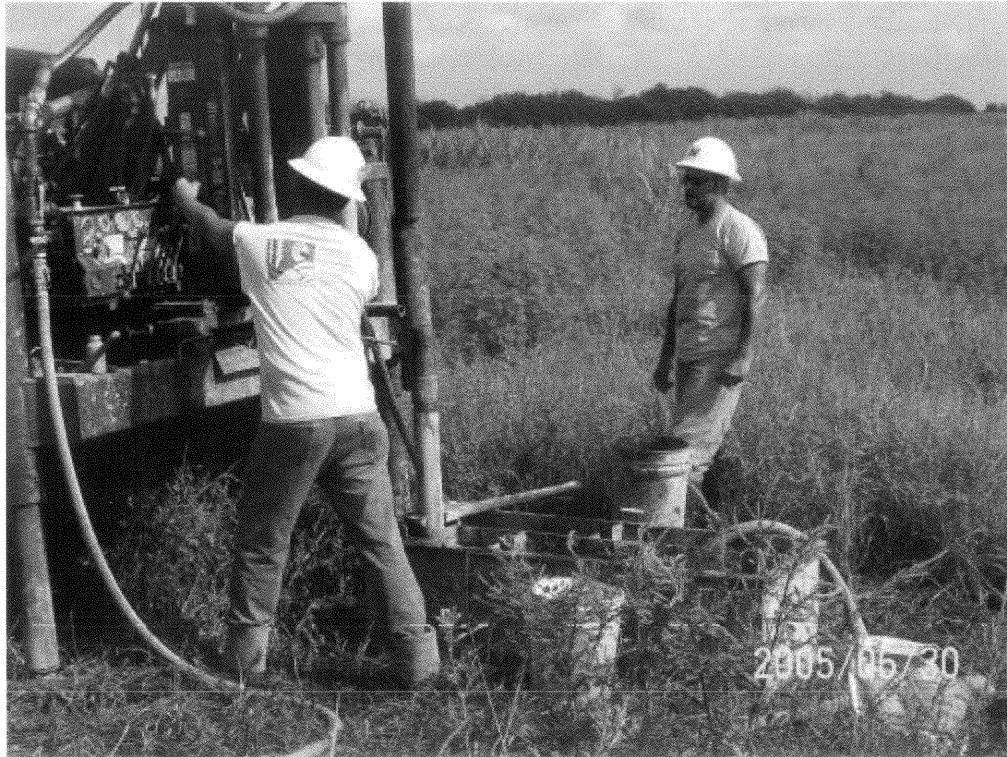
Pulling drill rods



**EAA Reservoir A-1 Geotechnical Data Report**

March, 2006

Setting up for coring



# **APPENDIX 4**

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# **APPENDIX 4**

## **HYDRAULIC INTERVAL TESTS**

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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0282
Project No.	142204	Interval Test	From 60
Client	SFWMD		To 70

Location		Eastside		Coordinates		East 778268		North 766996		Sheet 1 of 2	
Casing Depth	60	Reference Point	Drilling Platform								
Open Hole Depth	64	After test	Height Above Ground Level	5ft							
Screen Depth											
Pump Setting Depth	20	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	15gpm		Volume Tank	Yes				
Static Water Level	8.2		Generator	6000	Water Level	Transducer	No				

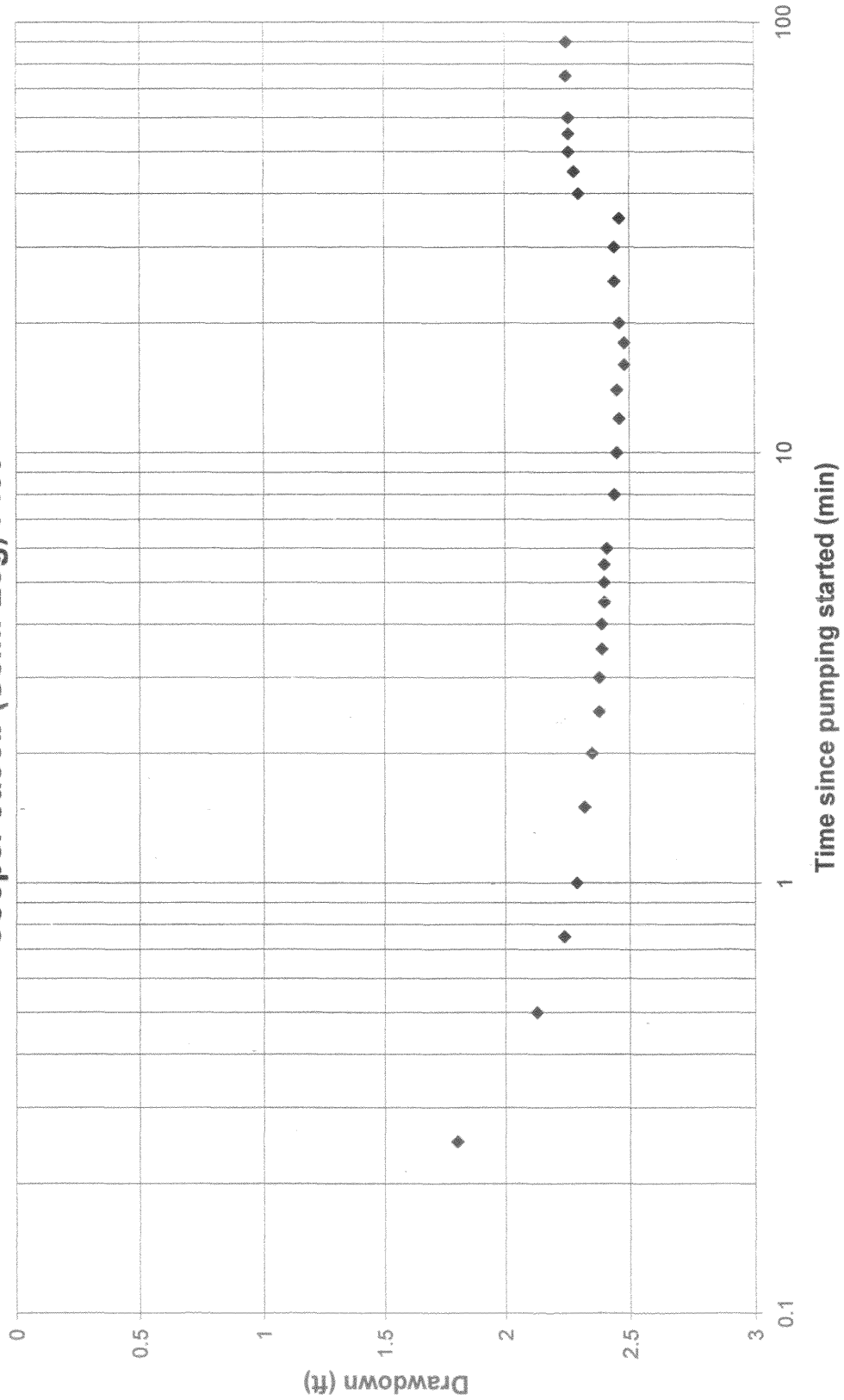
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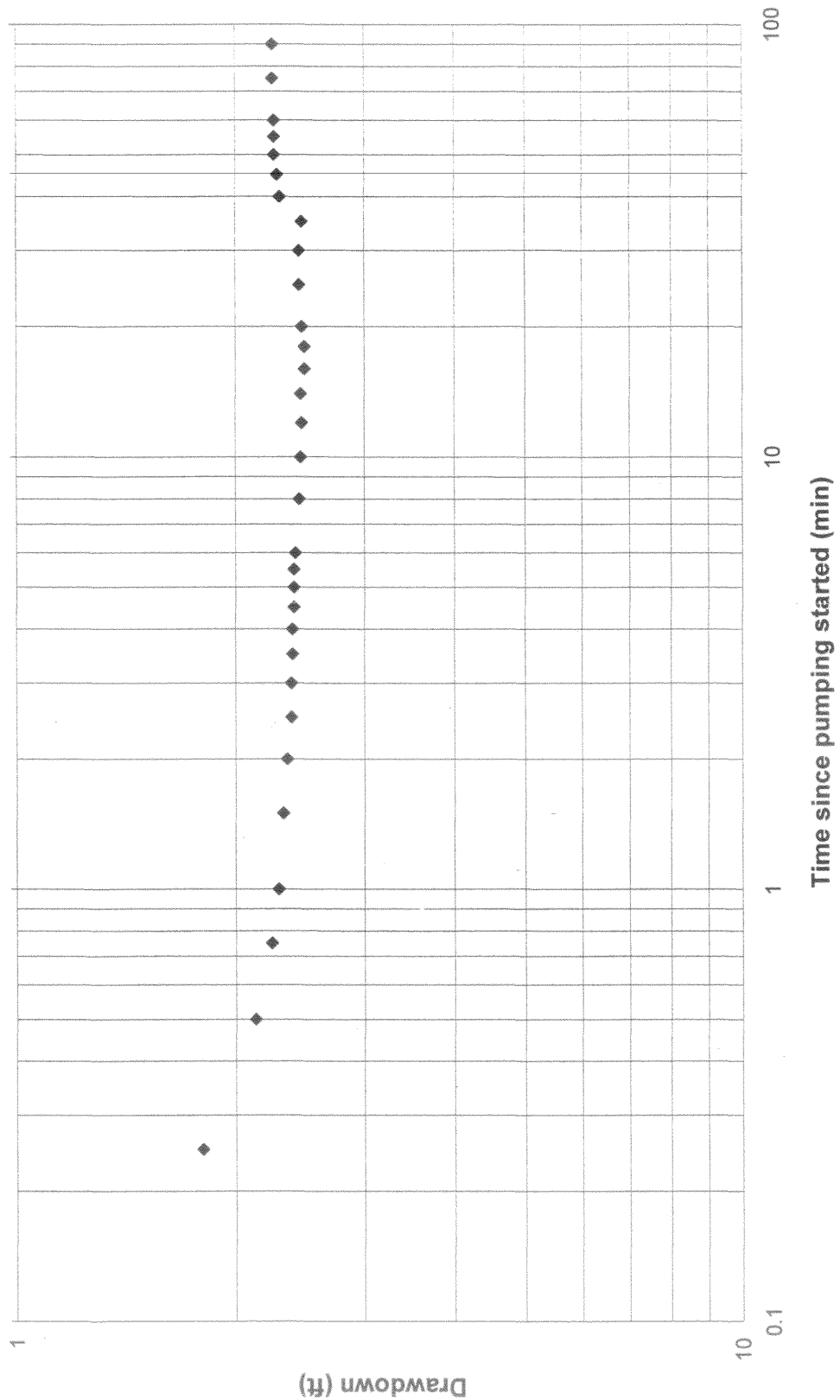
Location		Eastside	Coordinates		East 778268	North 766996	Sheet 2 of 2	
Casing Depth	60	Reference Point After test	Height Above Ground Level	Drilling Platform				
Open Hole Depth	64			5ft				
Screen Depth								
Pump Setting Depth	20	Pump Details		Diameter 3"	Discharge	Flowmeter	No	
				Capacity 15gpm		Volume Tank	Yes	
Static Water Level	8.2			Generator	Water Level	Transducer	Yes	

[illegible]

# Interval Pumping Test RB-0282 (60 to 70 Feet) Cooper Jacob (Semi-Log) Plot

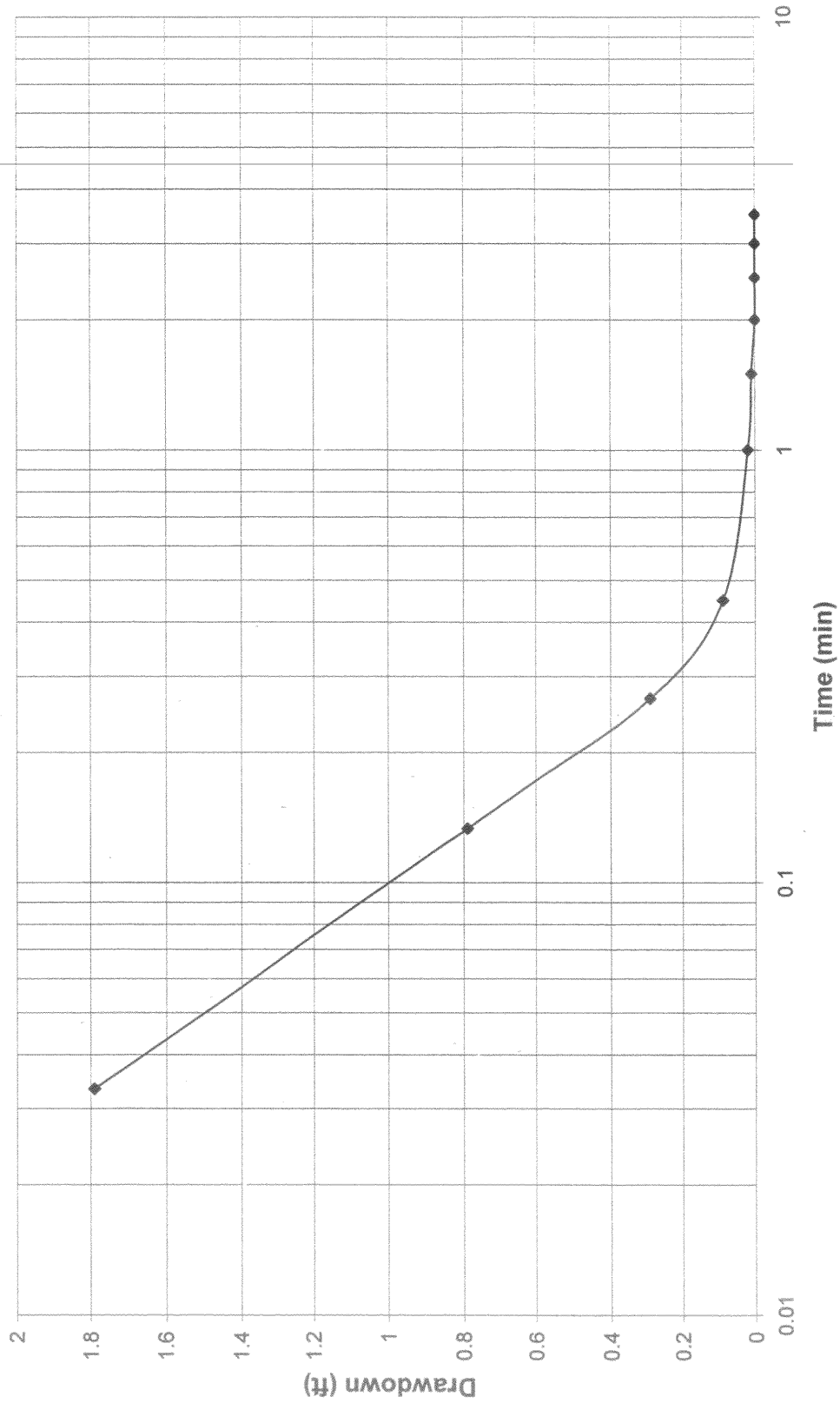


**Interval Pumping Test: RB-0282 (60 to 70 Feet)  
Hantush (Log-Log) Plot**





# Interval Recovery Test RB-0282 (60 to 70 Feet) Cooper Jacob (Semi-Log) Plot





Location		Eastside		Coordinates		East 778268		North 766996		Sheet 1 of 2	
Casing Depth	80	Reference Point	Drilling Platform								
Open Hole Depth	87 After test	Height Above Ground Level	5ft								
Screen Depth											
Pump Setting Depth	20	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	15gpm		Volume Tank	Yes				
Static Water Level	8.21		Generator	6000	Water Level	Transducer	No				

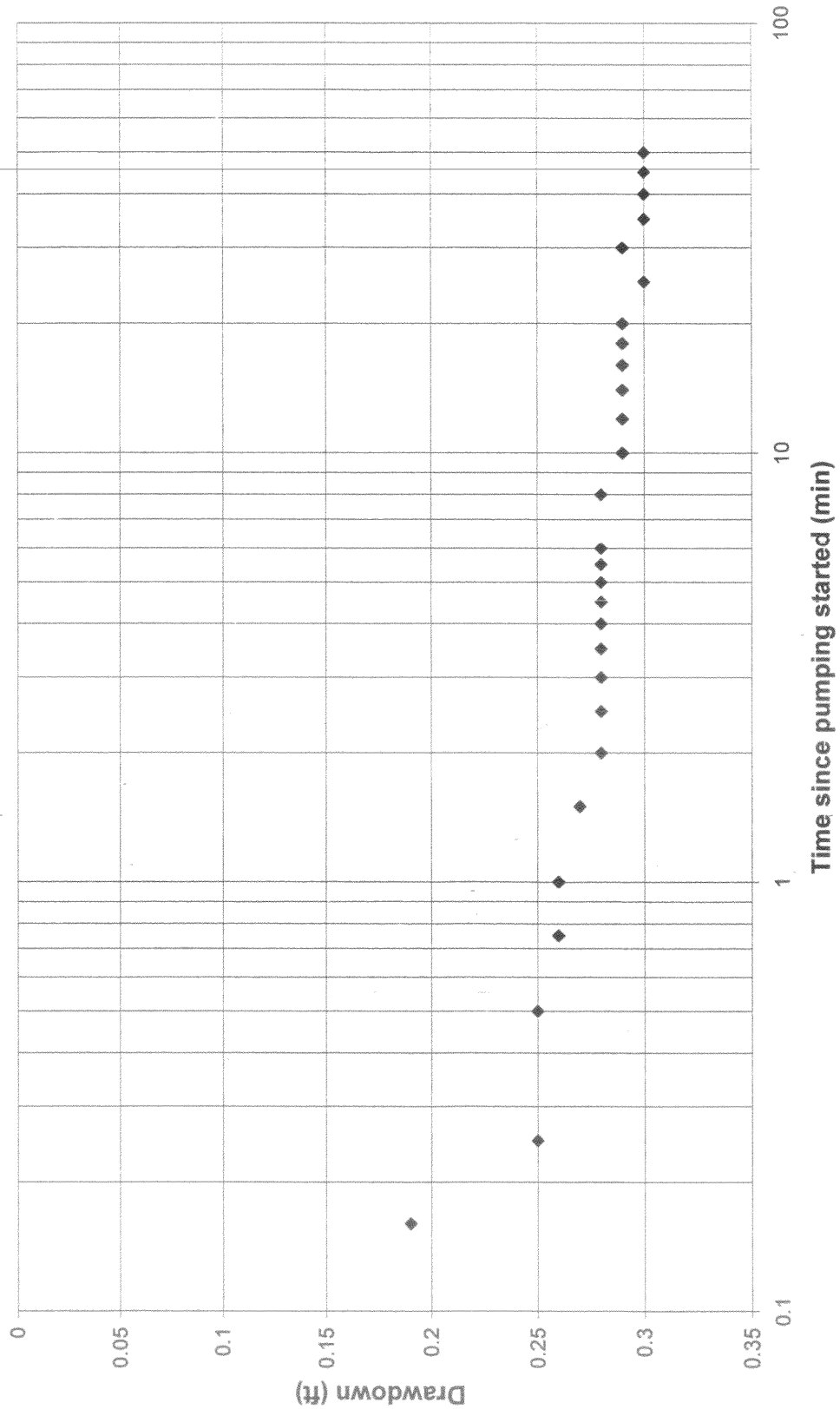
July 2014



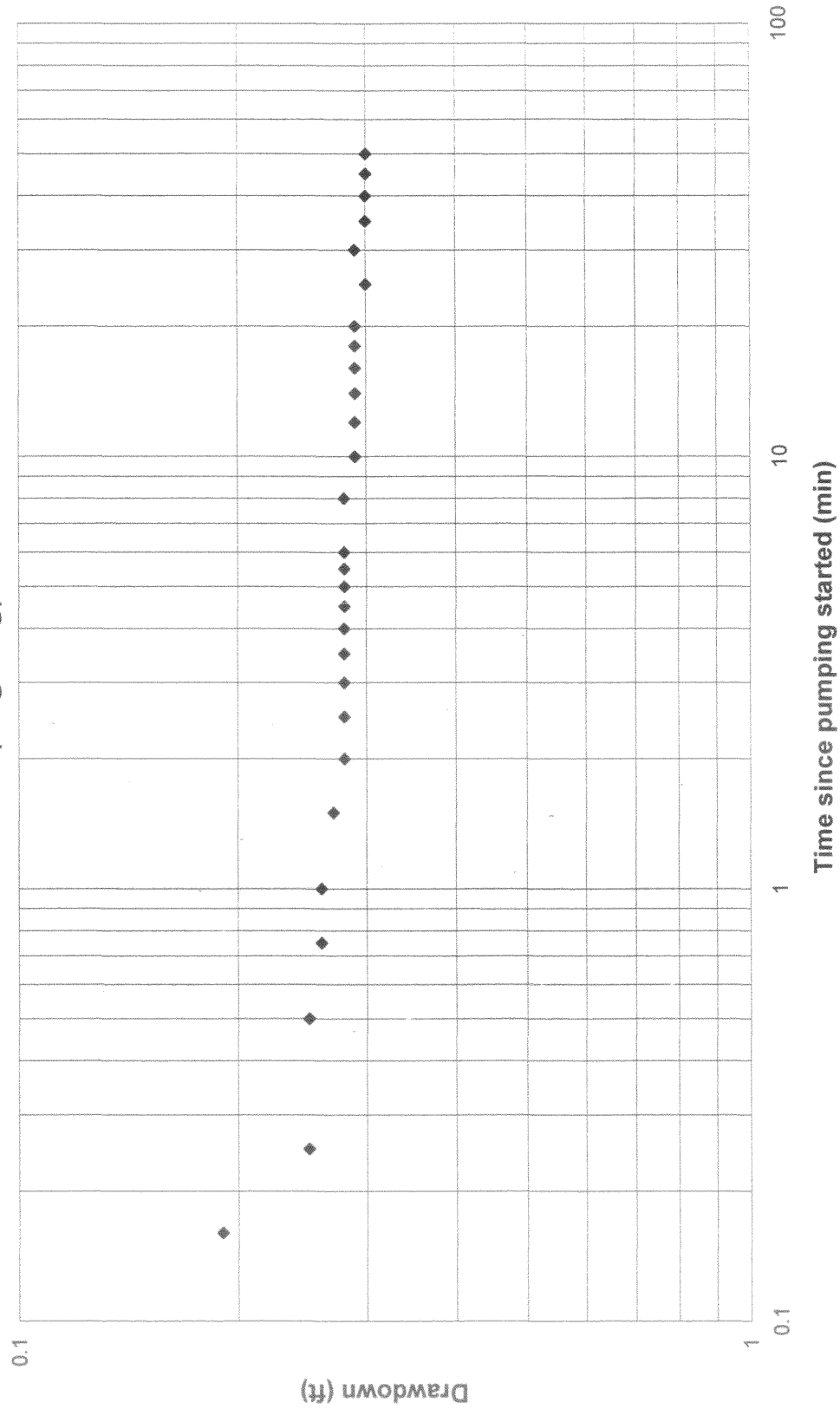
Location		Eastside	Coordinates		East 778268	North 766996	Sheet 2 of 2	
Casing Depth	80	Reference Point After test	Height Above Ground Level	Drilling Platform				
Open Hole Depth	87			5ft				
Screen Depth								
Pump Setting Depth	20	Pump Details		Diameter 3"	Discharge	Flowmeter	No	
				Capacity 15gpm		Volume Tank	Yes	
Static Water Level	8.21			Generator	Water Level	Transducer	No	

App A Annex G-1-996

# Interval Pumping Test RB-0282 (80 to 90 Feet) Cooper Jacob (Semi-Log) Plot



# Interval Pumping Test RB-0282 (80 to 90 Feet) Hantush (Log-Log) Plot

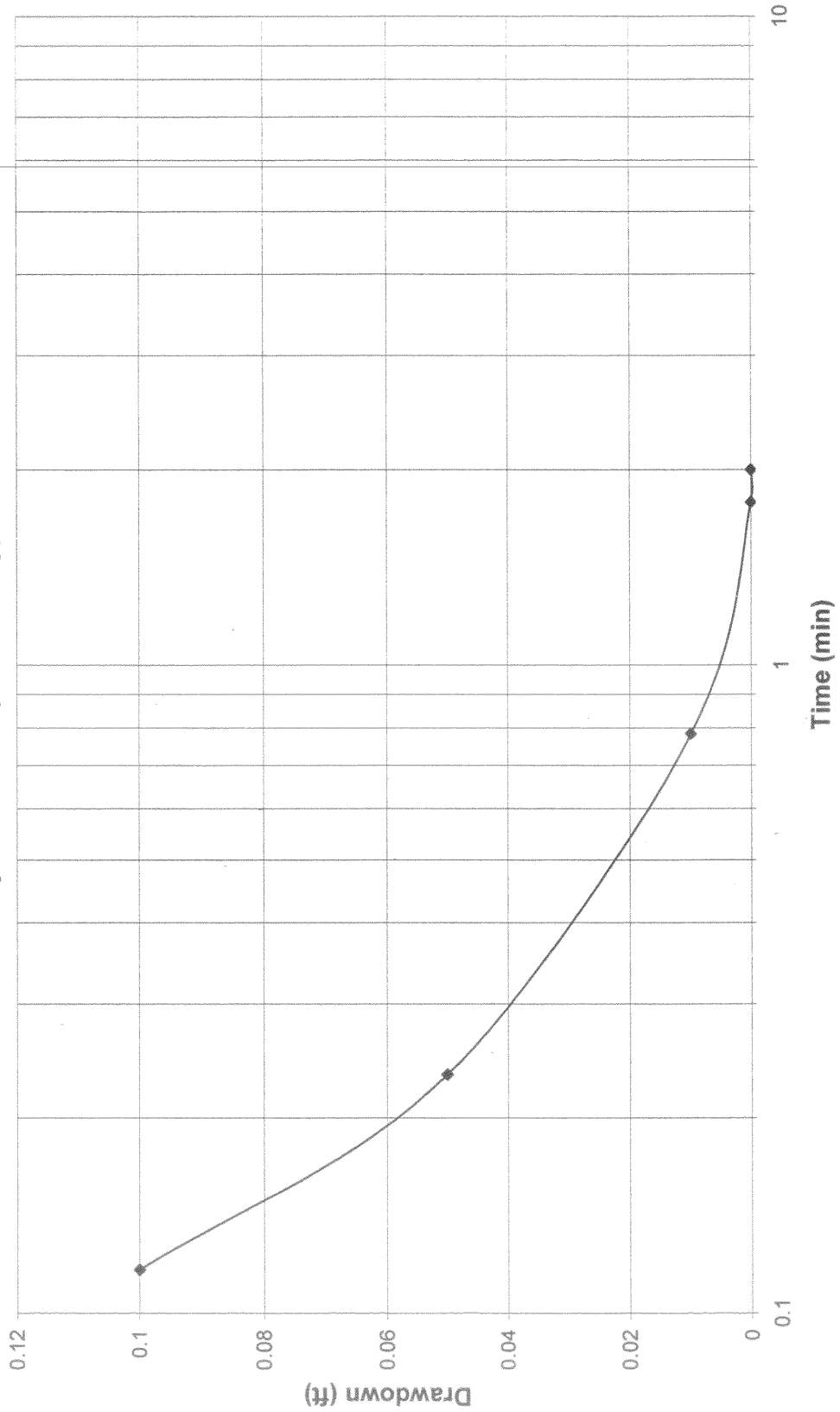




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EAA Reservoir A-1 Geotechnical Data Report

# Interval Recovery Test RB-0282 (80 to 90 Feet) Cooper Jacob (Semi-Log) Plot





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Project	Everglades AA Reservoir A-1			Pumping Test Well	RB-0282	
Project No.			142004			
Client	SFWMD			Interval Test	From	120ft
					To	130ft

Location		East		North		Sheet 1 of 3	
Eastside		Coordinates		778268		766996	
Casing Depth	120	Reference Point		Breakout			
Open Hole Depth	130	After test		Height Above Ground Level		5	
Screen Depth							
Pump Setting Depth	50	Pump Details		Diameter	2"	Discharge	Flowmeter
				Capacity	2gpm		Volume Tank
				Generator	12 volt	Water Level	Transducer
Static Water Level	8.21						No
							Yes
							No

[illegible]

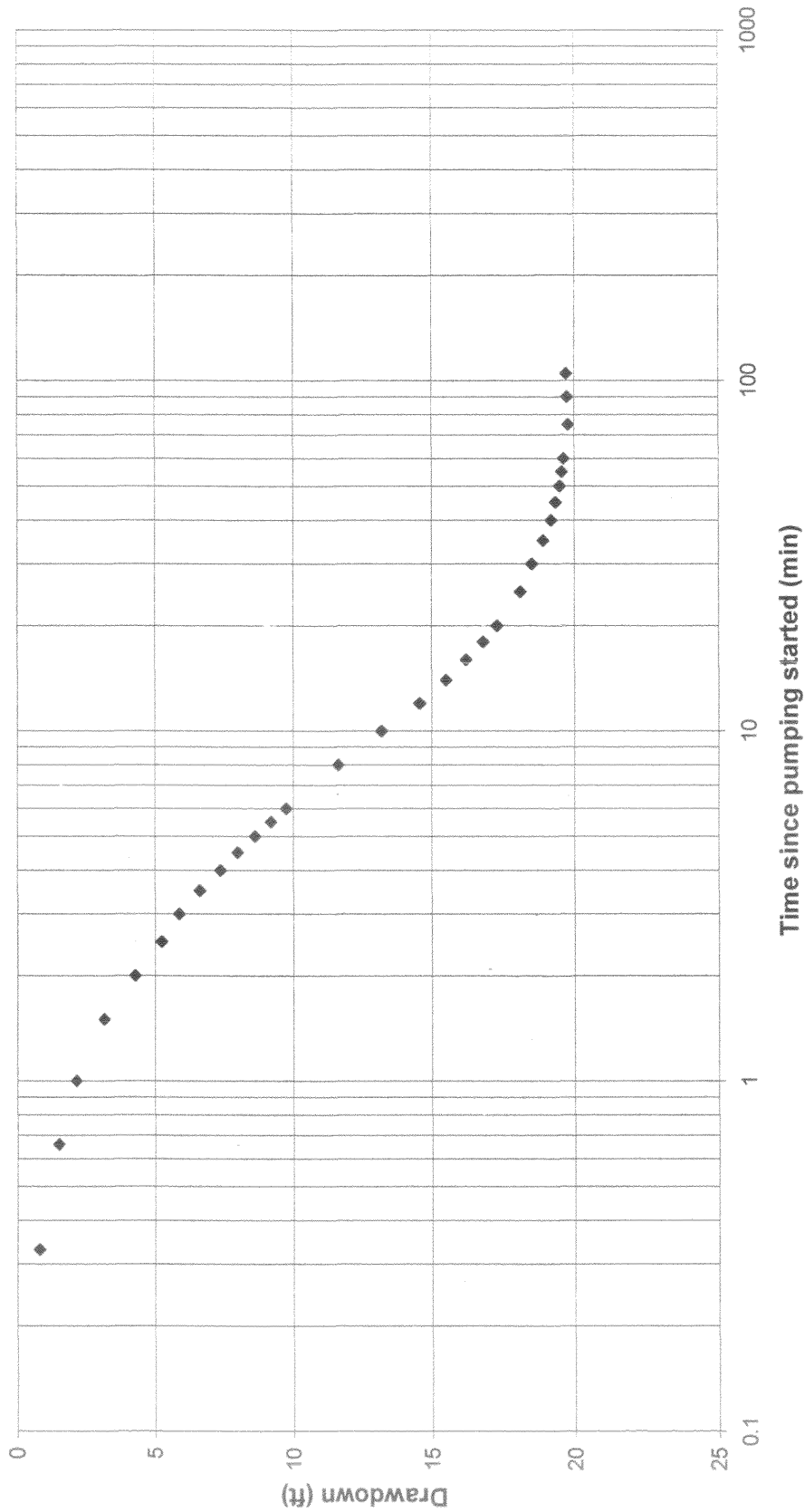


Location		Eastside	Coordinates		East 778268	North 766996	Sheet 2 of 3		
Casing Depth	120	Reference Point After test	Height Above Ground Level	Breakout					
Open Hole Depth	130			5					
Screen Depth									
Pump Setting Depth	50								
Pump Details			Diameter	2"	Discharge	Flowmeter	No		
			Capacity	2gpm		Volume Tank	Yes		
			Generator	12 volt	Water Level	Transducer	No		
Static Water Level	8.21								

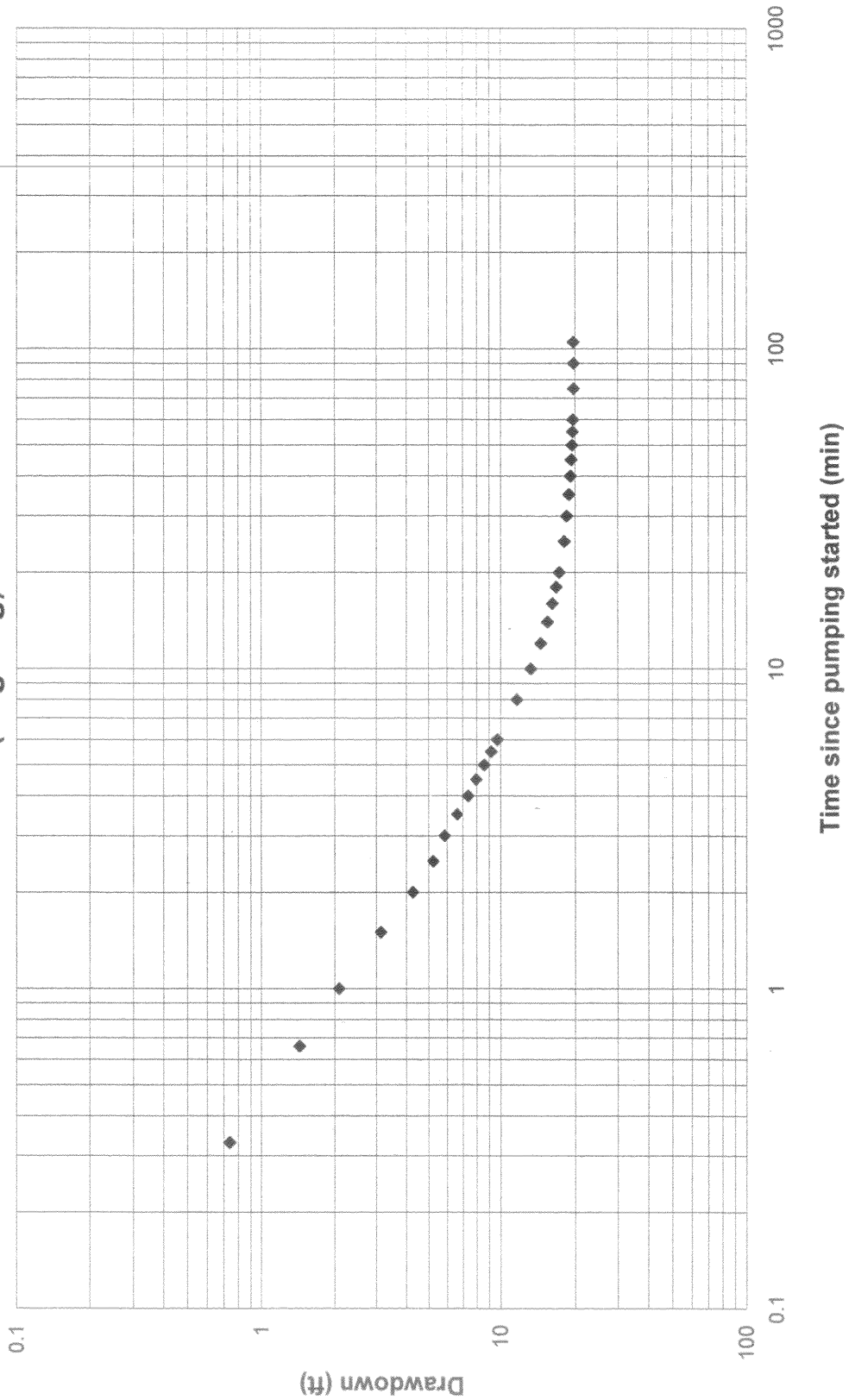
[illegible]

[illegible]

# Interval Pumping Test RB-0282 (120 to 130 Feet) Cooper Jacob (Semi-Log) Plot

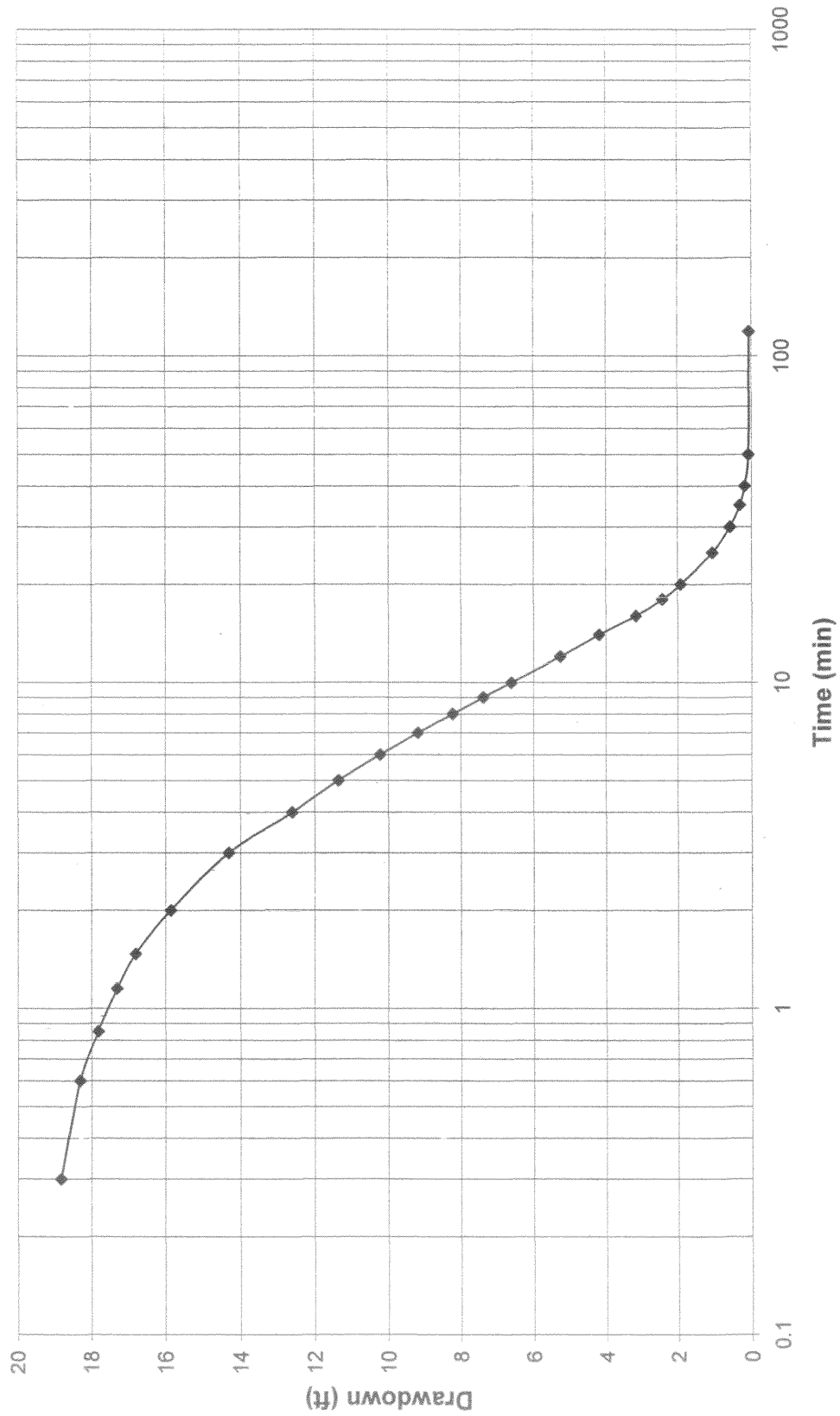


# Interval Pumping Test RB-0282 (120 to 130 Feet) Hantush (Log-Log) Plot





# Interval Recovery Test RB-0282 (120 to 130 Feet) Cooper Jacob (Semi-Log) Plot





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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0282
Project No.	142204	Interval Test	From 150
Client	SFWMD		To 160

Location		Eastside		Coordinates		East 778268		North 766996		Sheet 1 of 2		
Casing Depth	150	Reference Point		Drilling Platform								
Open Hole Depth	156	After test 156		Height Above Ground Level		5ft						
Screen Depth												
Pump Setting Depth	20	Pump Details		Diameter		3"		Discharge		Flowmeter		No
				Capacity		18gpm				Volume Tank		Yes
Static Water Level	7.95			Generator				Water Level		Transducer		No

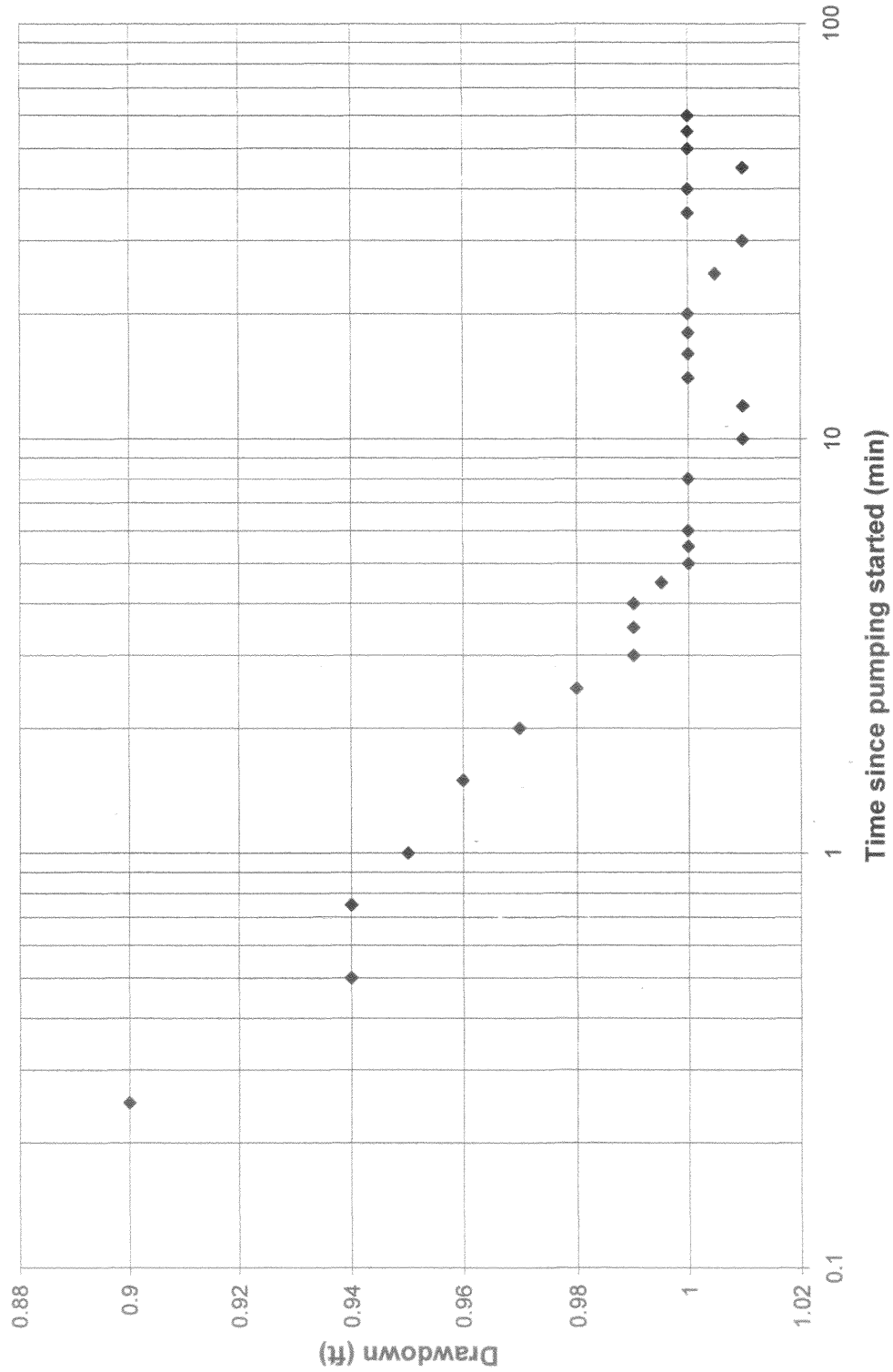
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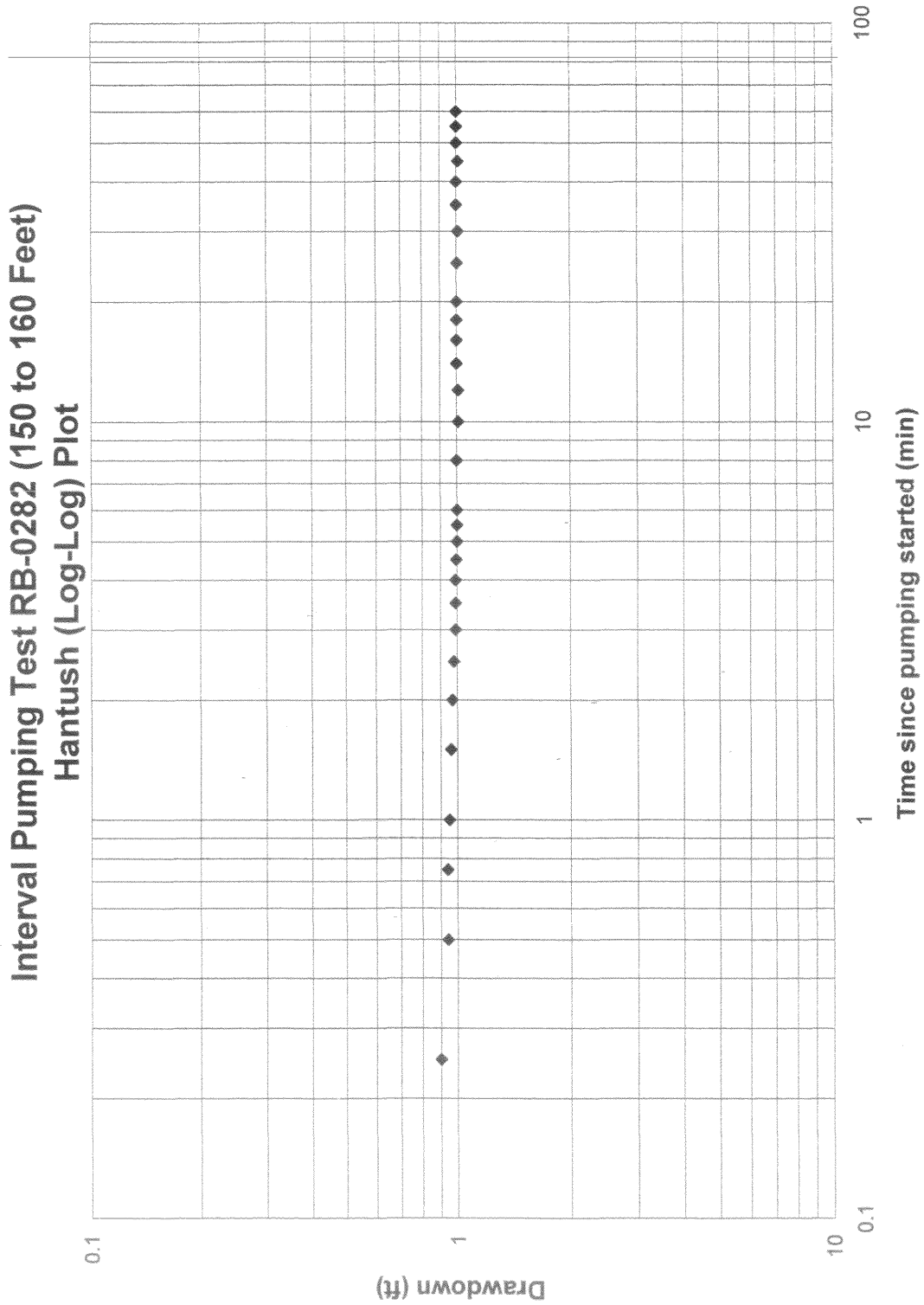


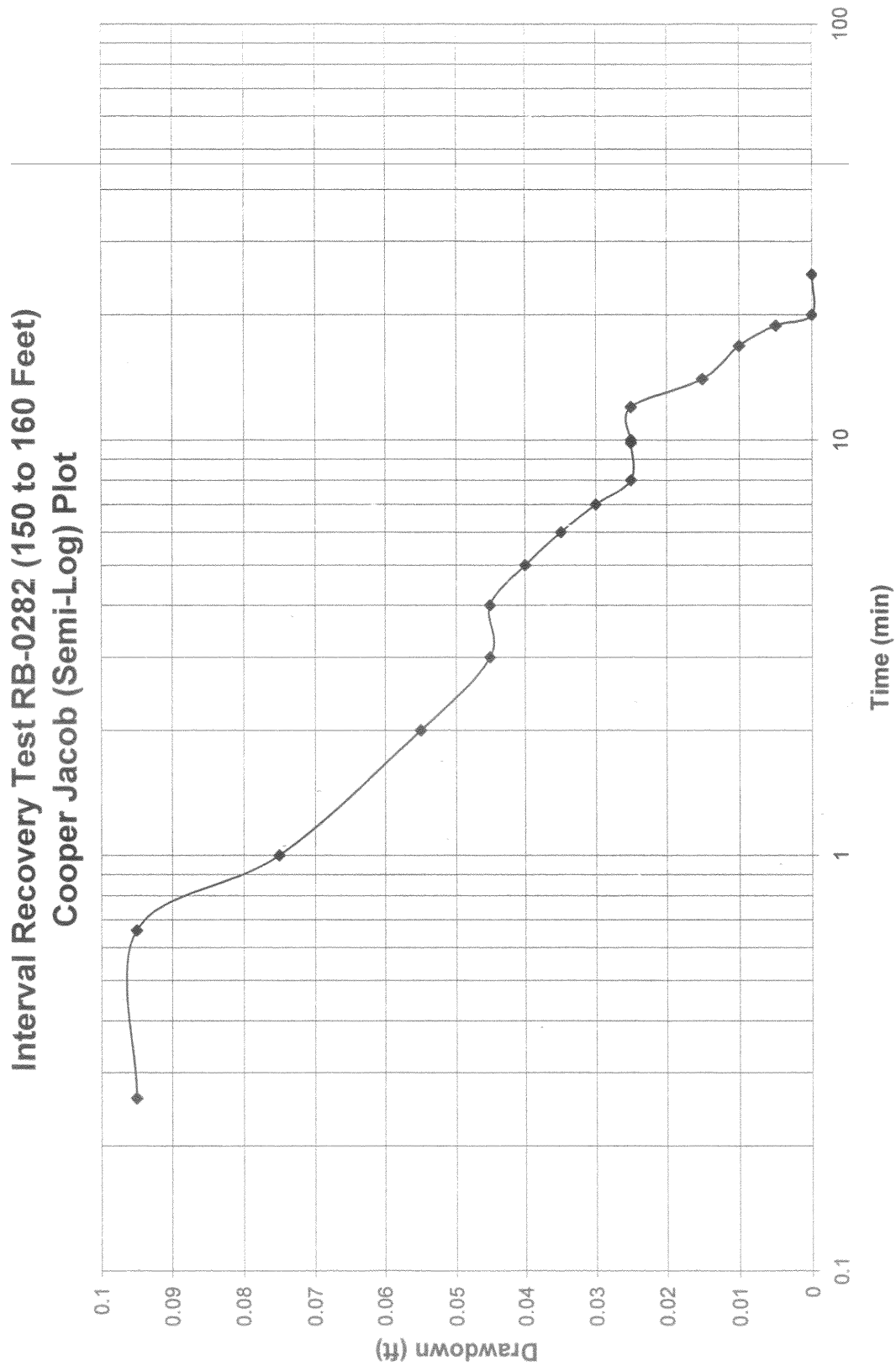
Location		Eastside	Coordinates		East 778268	North 766996	Sheet 2 of 2	
Casing Depth	150	Reference Point	Drilling Platform					
Open Hole Depth	156	After test 156	Height Above Ground Level	5ft				
Screen Depth								
Pump Setting Depth	20	Pump Details	Diameter	3"	Discharge	Flowmeter	No	
			Capacity	18gpm		Volume Tank	Yes	
Static Water Level	7.95		Generator		Water Level	Transducer	No	

[illegible]

# Interval Pumping Test RB-0282 (150 to 160 Feet) Cooper Jacob (Semi-Log) Plot











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<b>Project</b>	Everglades AA Reservoir A-1	<b>Pumping Test Well</b>	RB-0283
<b>Project No.</b>	142004		
<b>Client</b>	SFWMD	<b>Interval Test</b>	From 40
			To 50

Location		Southside, centre		Coordinates		East 773034		North 750069		Sheet 1 of 2			
Casing Depth	40	Reference Point		Breakout									
Open Hole Depth	49	After test 49		Height Above Ground Level		4.8							
Screen Depth													
Pump Setting Depth	30	Pump Details		Diameter		3"		Discharge		Flowmeter		No	
				Capacity		18gpm				Volume Tank		Yes	
Static Water Level	6.39			Generator				Water Level		Transducer		No	

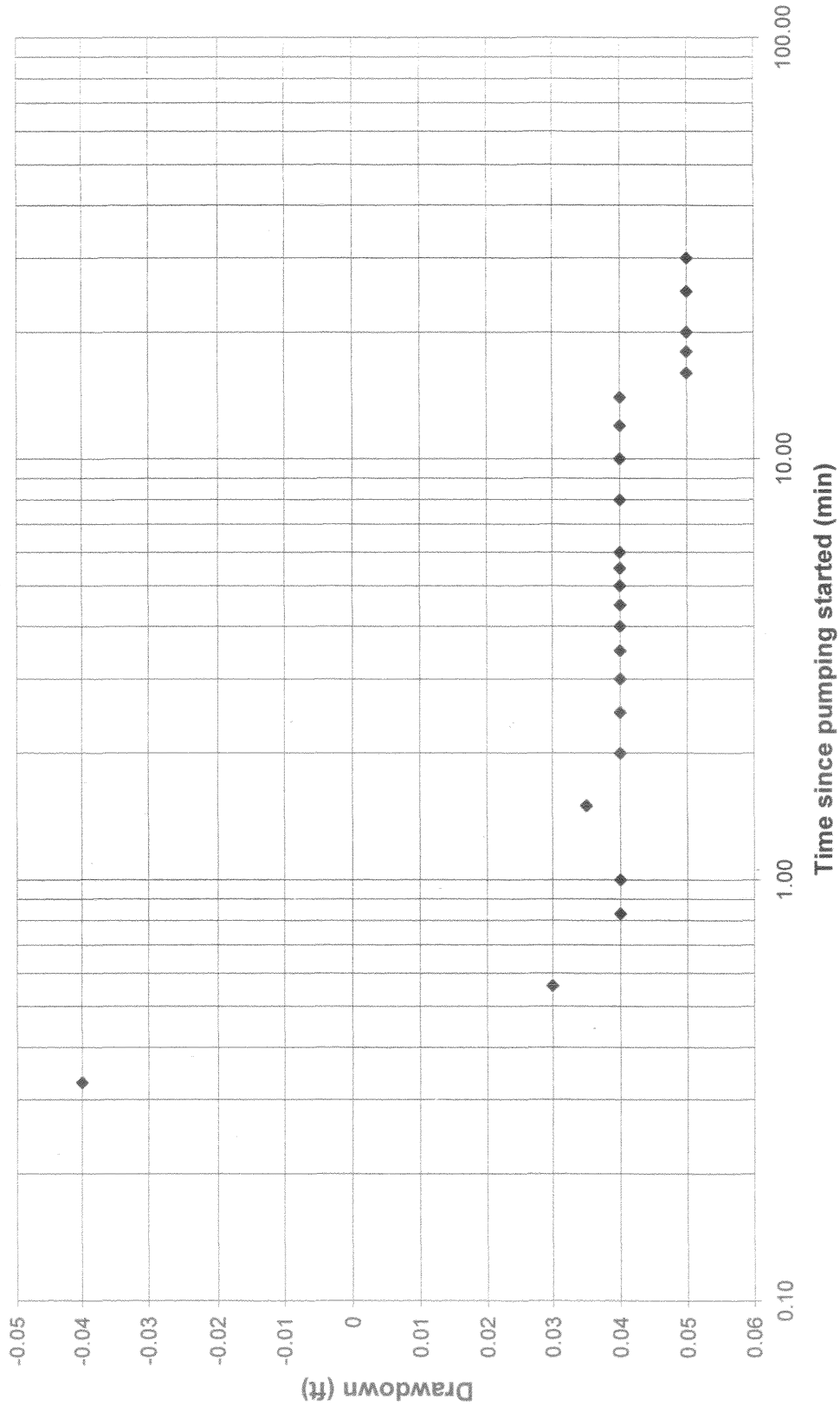
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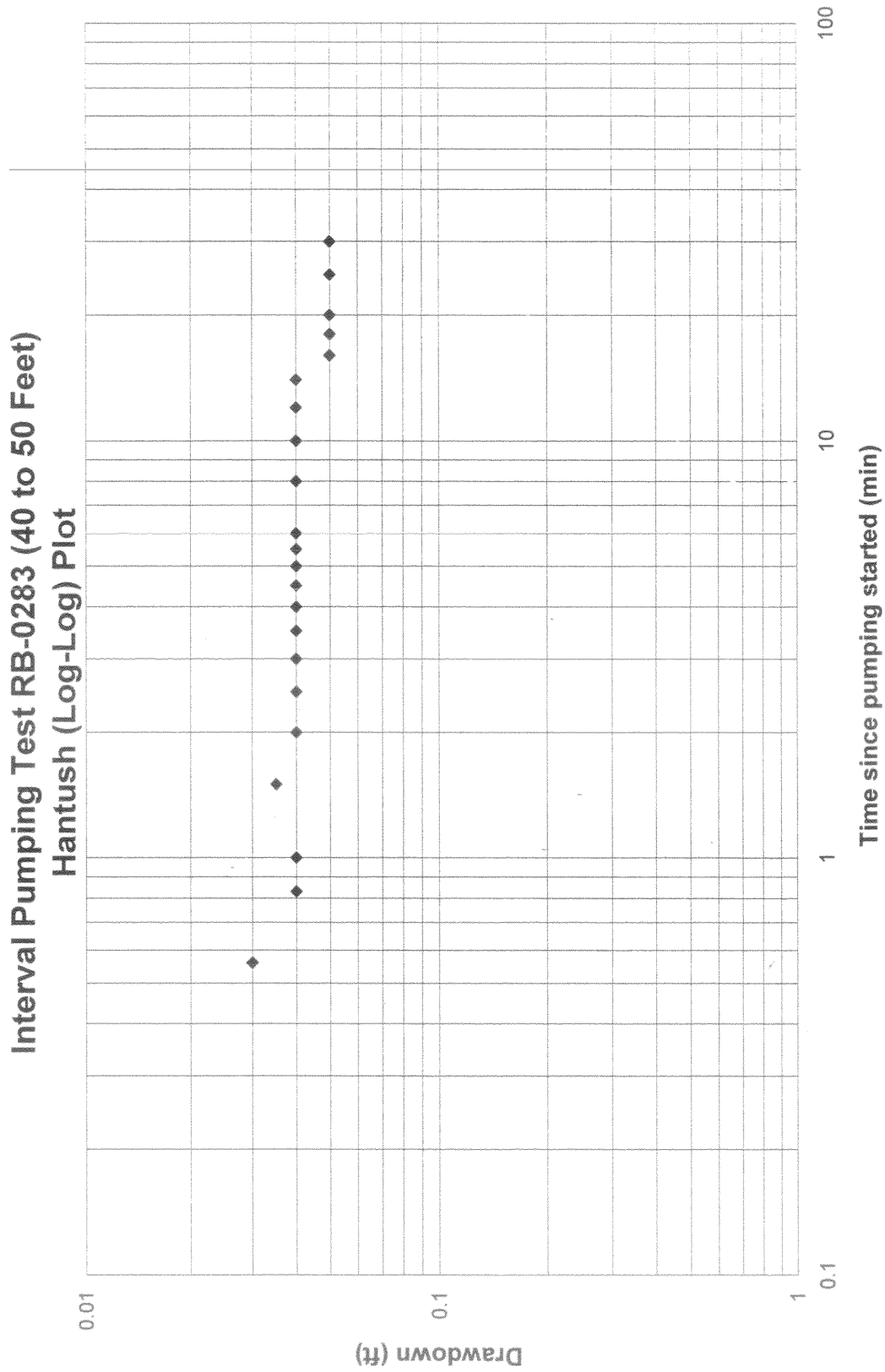


Location		Southside, centre	Coordinates		East 773034	North 750069	Sheet 2 of 2	
Casing Depth	40	Reference Point	Breakout					
Open Hole Depth	49	After test 49	Height Above Ground Level	4.8				
Screen Depth								
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No	
			Capacity	18gpm		Volume Tank	Yes	
Static Water Level	6.39		Generator		Water Level	Transducer	No	

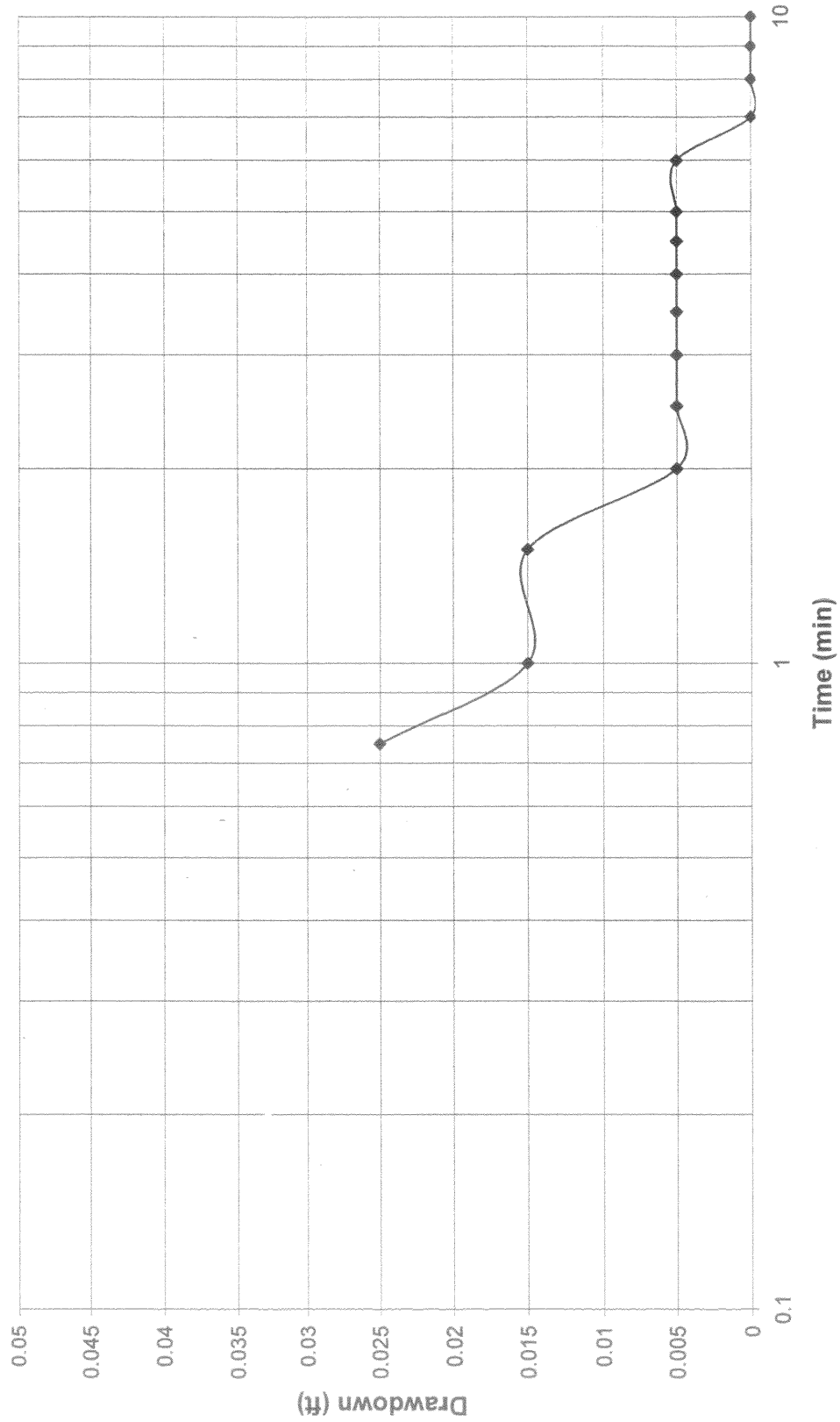
[illegible]

# Interval Pumping Test RB-0283 (40 to 50 Feet) Cooper Jacob (Semi-Log) Plot





# Interval Recovery Test RB-0283 (40 to 50 Feet) Cooper Jacob (Semi-Log) Plot





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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0283
Project No.	142004	Interval Test	From 70
Client	SFWMD		To 80

Location		Southside, centre		Coordinates		East 773034		North 750069		Sheet1 of 2	
Casing Depth	70	Reference Point	Breakout								
Open Hole Depth	80	After test	Height Above Ground Level	4.8							
Screen Depth											
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	18gpm		Volume Tank	Yes				
Static Water Level	7.44		Generator		Water Level	Transducer	No				

[illegible]

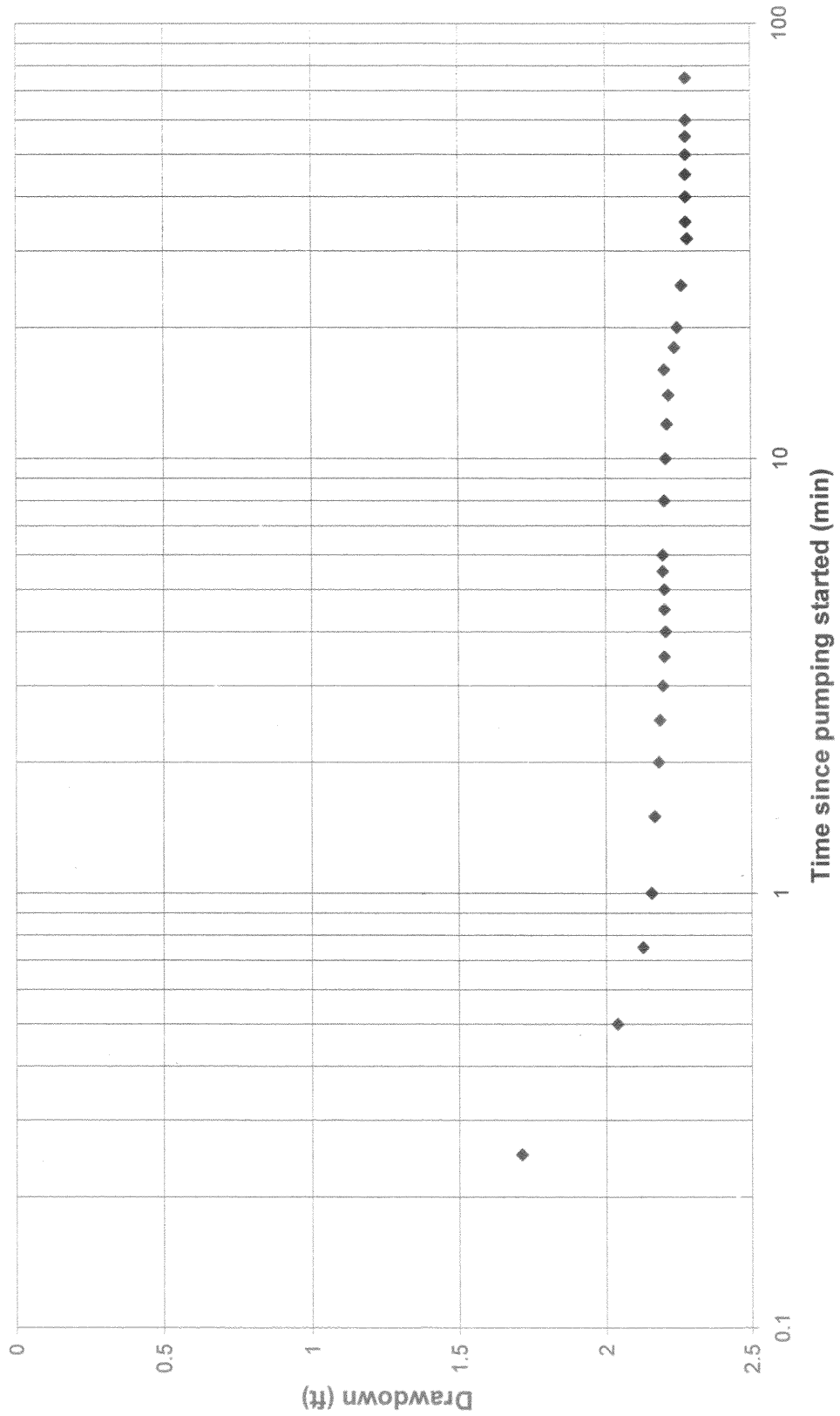




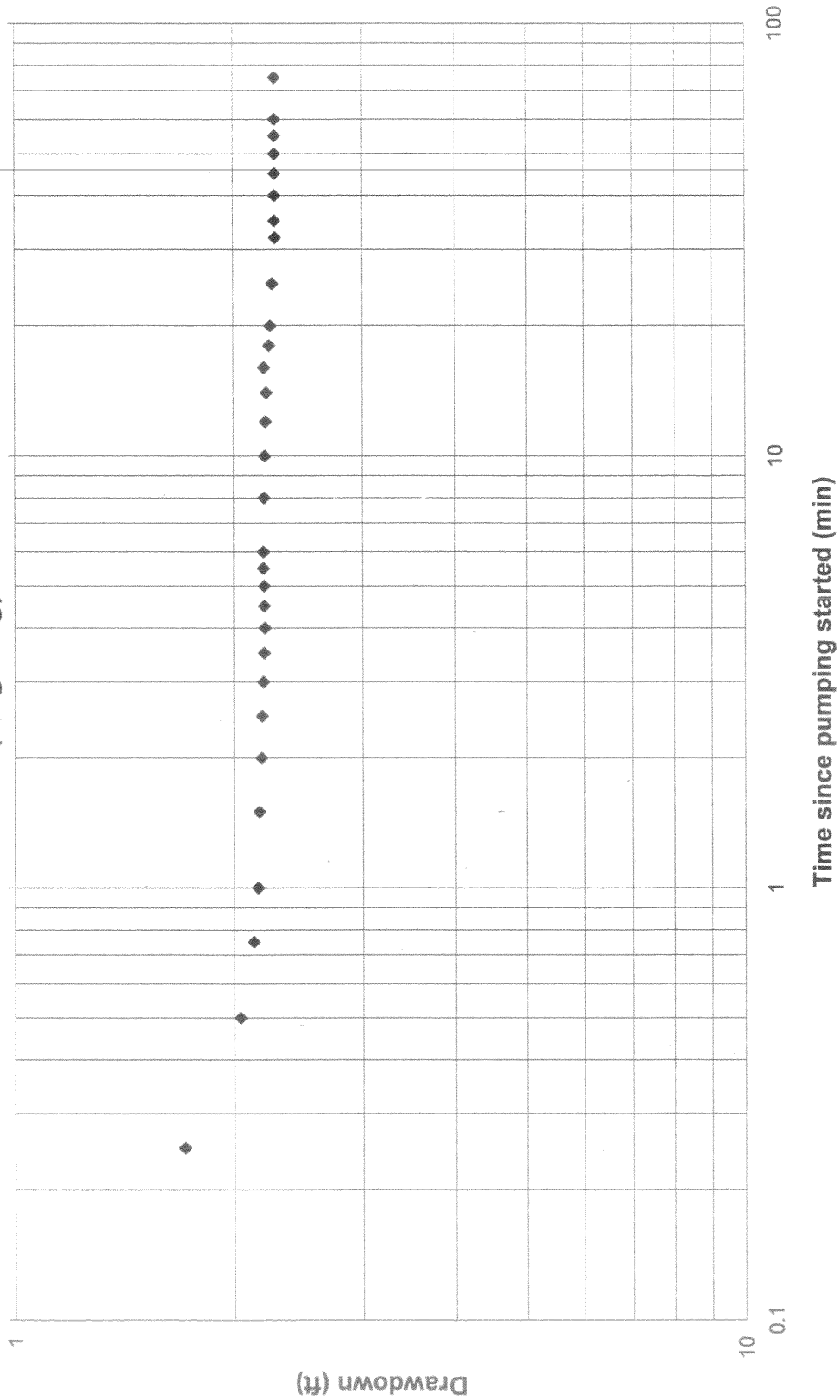
Location		Southside, centre	Coordinates		East 773034	North 750069	Sheet 2 of 2	
Casing Depth	70	Reference Point	Breakout					
Open Hole Depth	80	After test	Height Above Ground Level	4.8				
Screen Depth								
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No	
			Capacity	18gpm		Volume Tank	Yes	
Static Water Level	7.44		Generator		Water Level	Transducer	No	

[illegible]

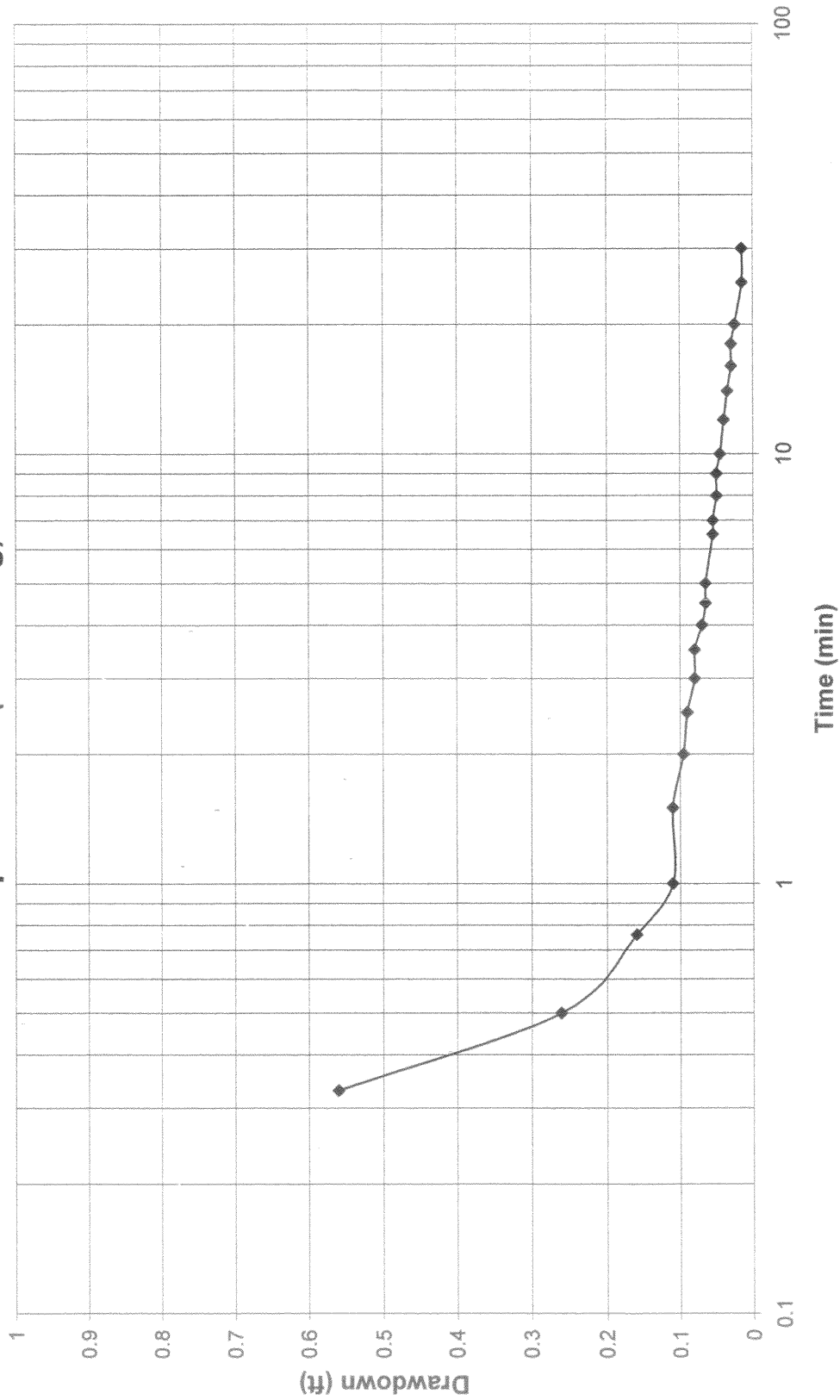
# Interval Pumping Test RB-0283 (70 to 80 Feet) Cooper Jacob (Semi-Log) Plot



# Interval Pumping Test RB-0283 (70 to 80 Feet) Hantush (Log-Log) Plot



# Interval Recovery Test RB-0283 (70 to 80 Feet) Cooper Jacob (Semi-Log) Plot





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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0283
Project No.	142004	Interval Test	From 110
Client	SFWMD		To 120

Location		Southside, centre		Coordinates		East 773034		North 750069		Sheet1 of 2	
Casing Depth	110	Reference Point	Breakout								
Open Hole Depth	115	After test 113	Height Above Ground Level	4.66							
Screen Depth											
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	18gpm		Volume Tank	Yes				
Static Water Level	7.58		Generator		Water Level	Transducer	No				

[illegible]

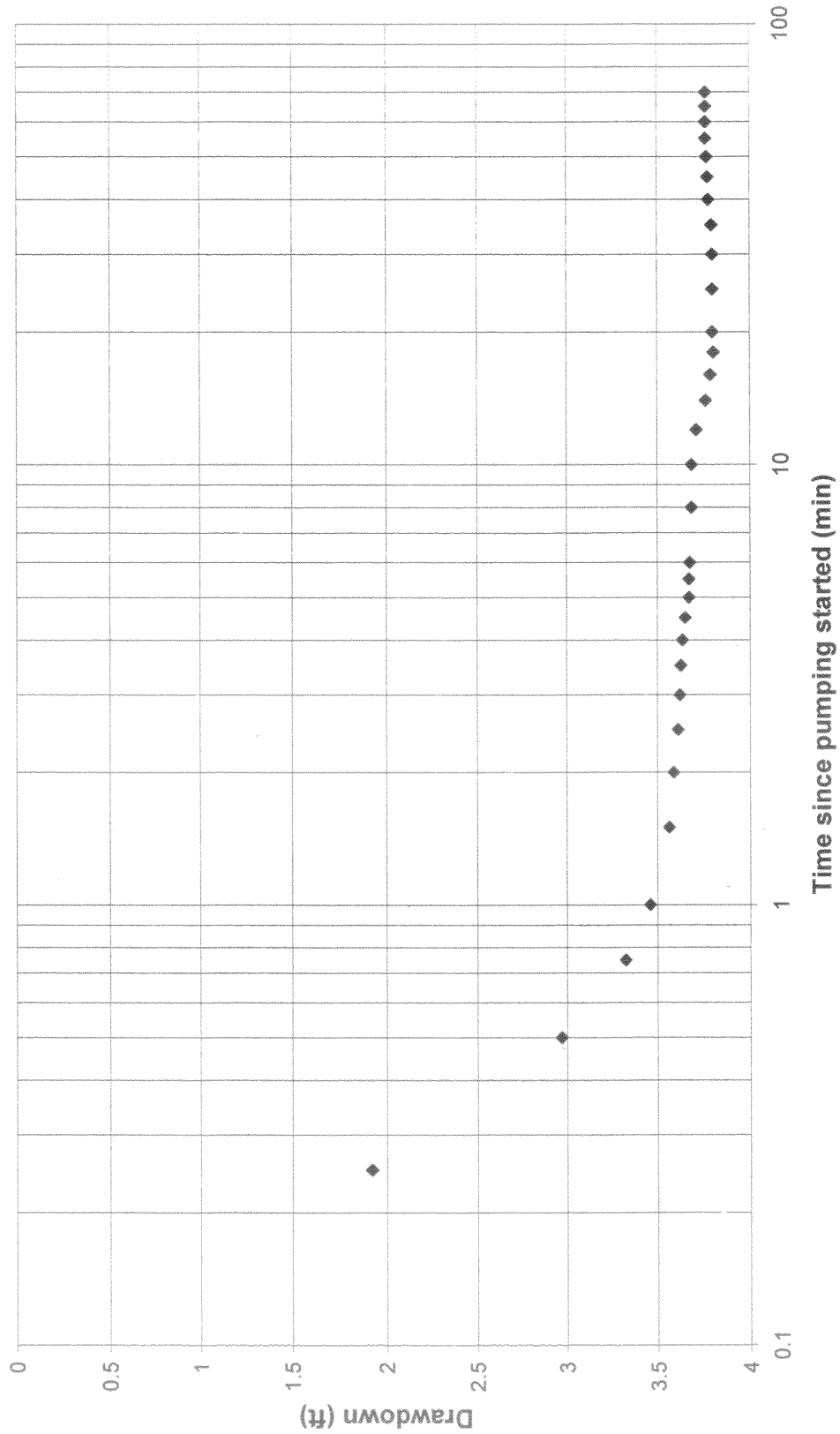


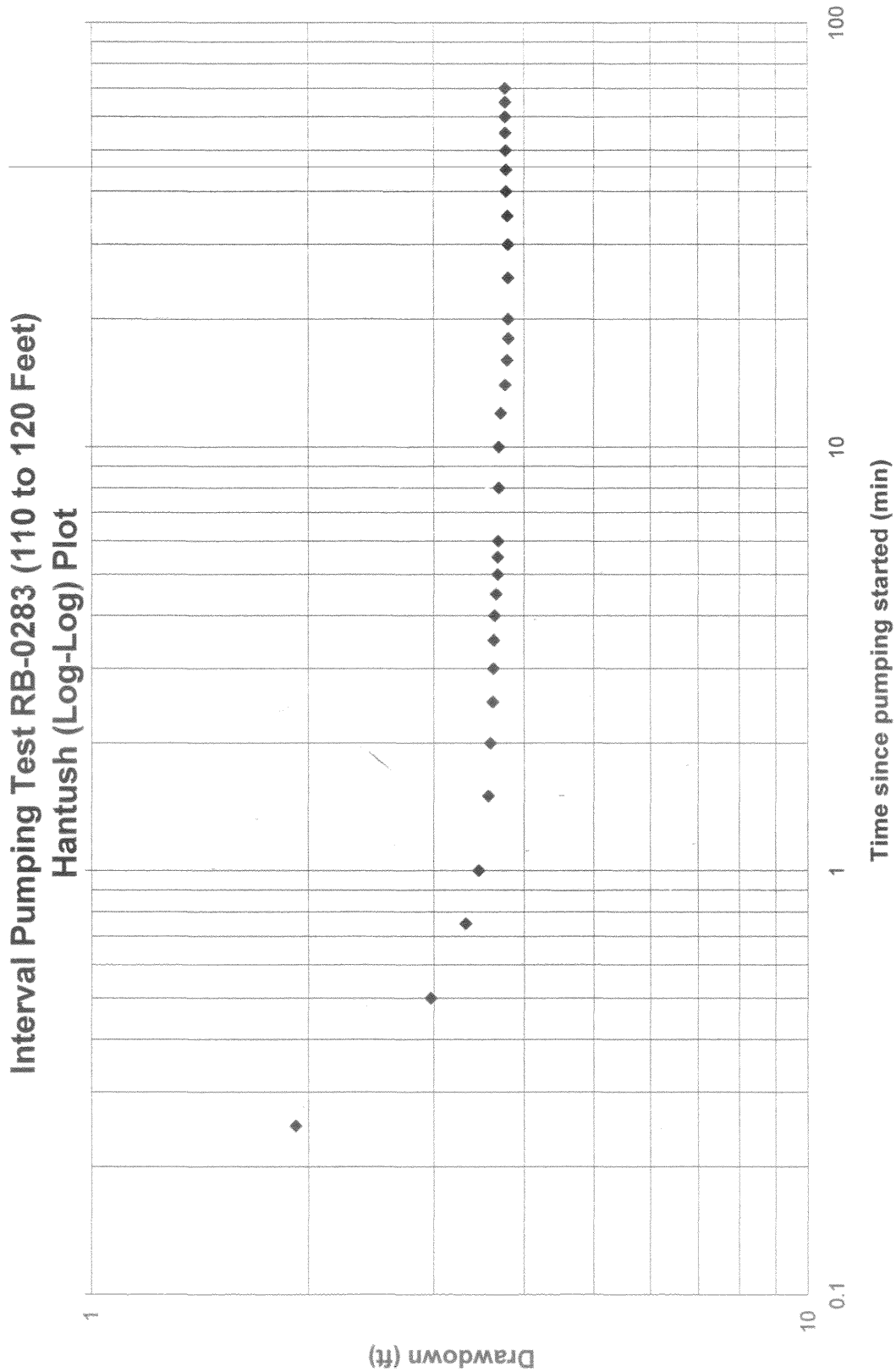
Location		Southside, centre	Coordinates		East 773034	North 750069	Sheet 2 of 2	
Casing Depth	110	Reference Point	Breakout					
Open Hole Depth	115 After test 113	Height Above Ground Level	4.66					
Screen Depth								
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No	
			Capacity	18gpm		Volume Tank	Yes	
Static Water Level	7.58		Generator		Water Level	Transducer	No	

App A Annex G-1-1022

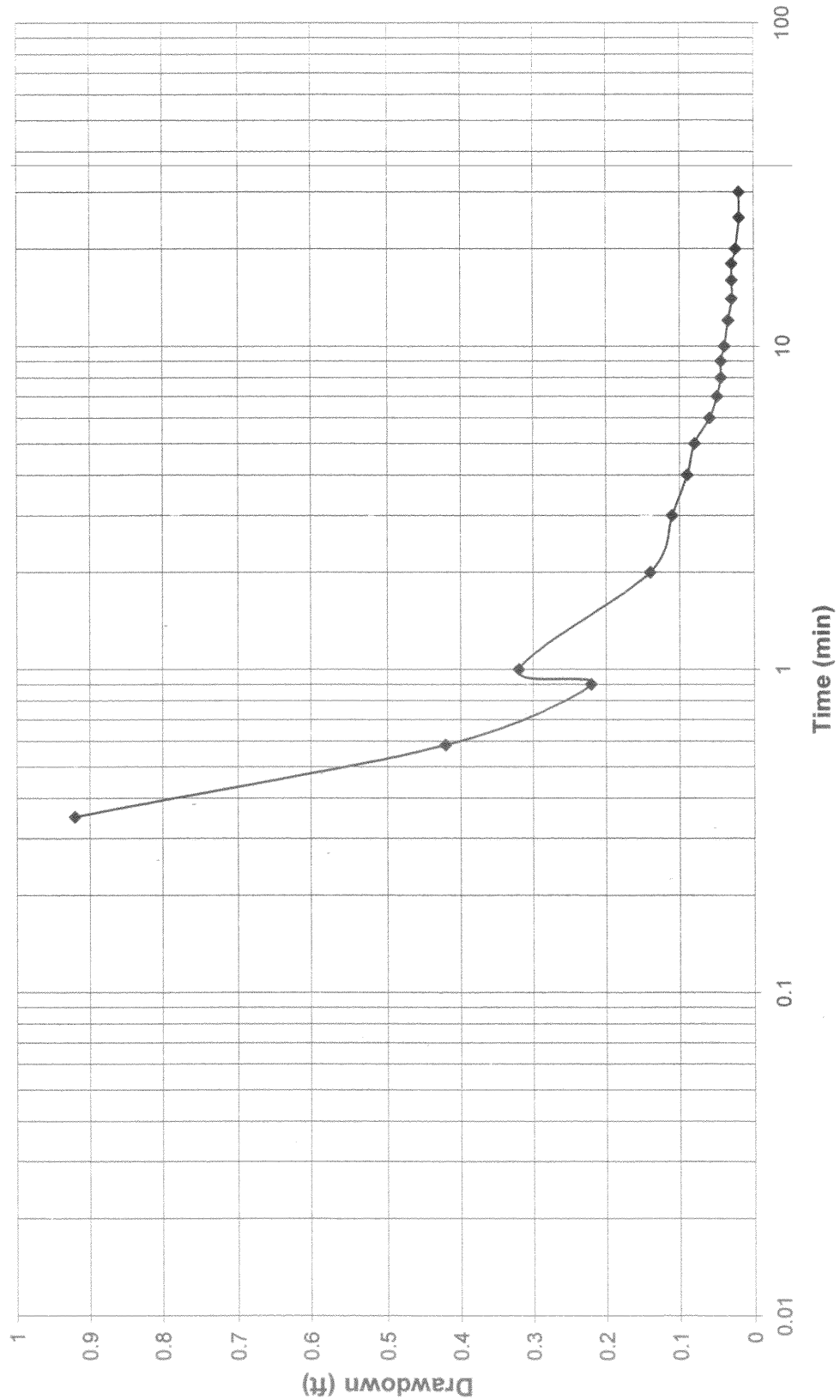


# Interval Pumping Test RB-0283 (110 to 120 Feet) Cooper Jacob (Semi-Log) Plot





# Interval Recovery Test RB-0283 (110 to 120 Feet) Cooper Jacob (Semi-Log) Plot





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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0283
Project No.	142004	Interval Test	From 150
Client	SFWMD		To 160

Location		Southside, centre		Coordinates		East 773034		North 750069		Sheet1 of 2	
Casing Depth	150	Reference Point	Breakout								
Open Hole Depth	160	After test 160	Height Above Ground Level	4.66							
Screen Depth											
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	18gpm		Volume Tank	Yes				
Static Water Level	7.67		Generator		Water Level	Transducer	No				

[illegible]



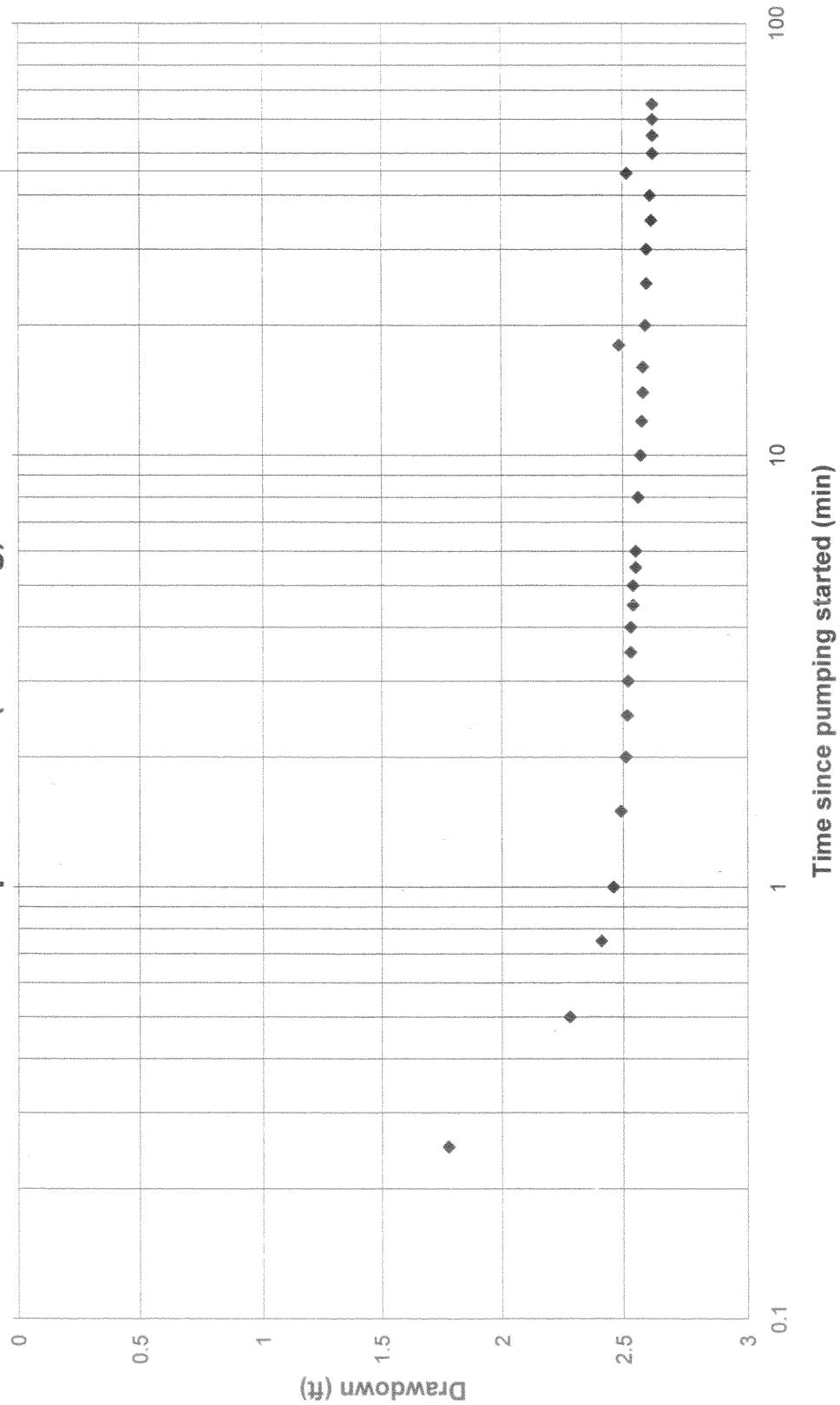
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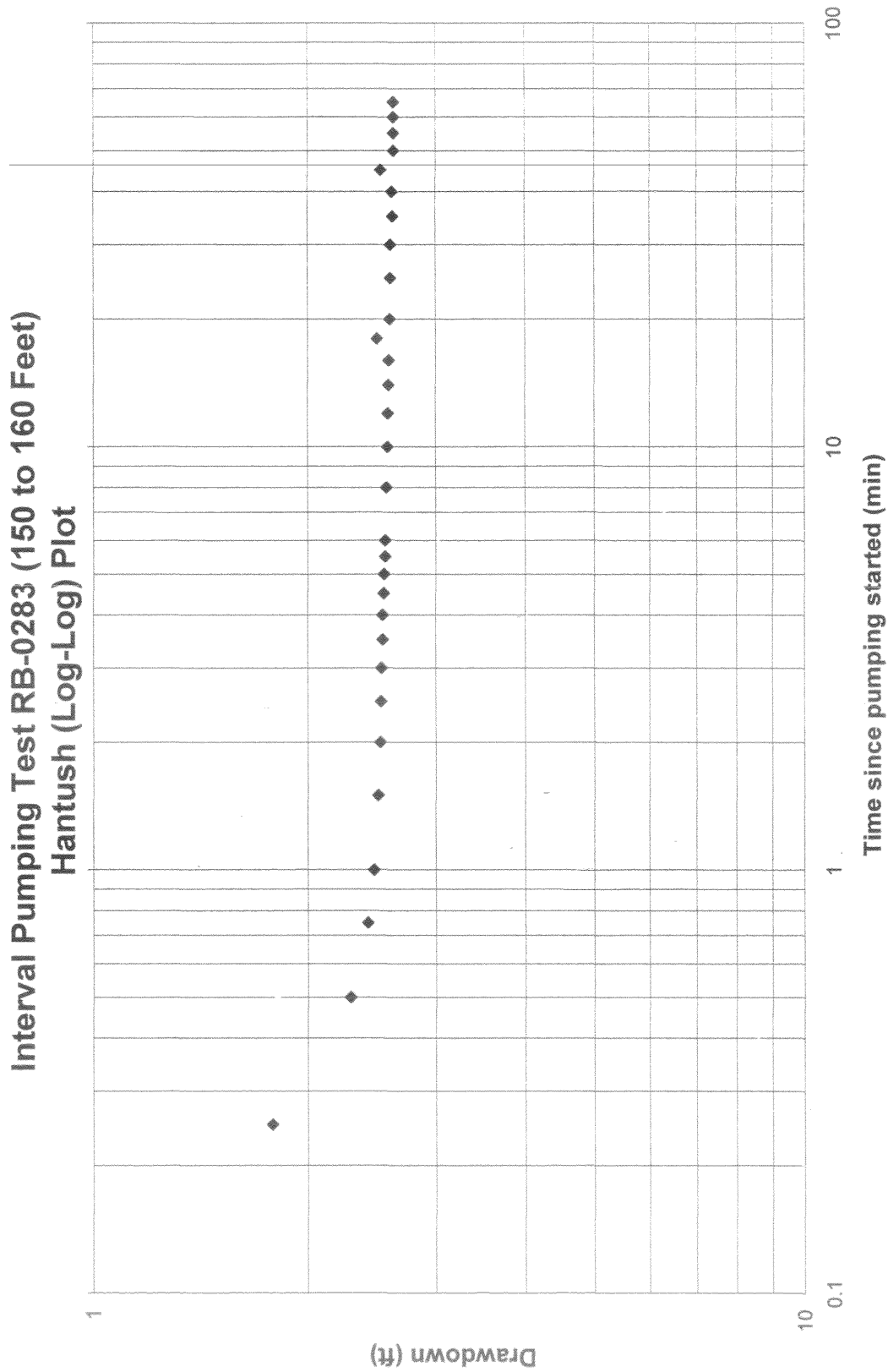
Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0283
Project No.	142004	Interval Test	From 150
Client	SFWMD		To 160

Location		Southside, centre		Coordinates		East 773034		North 750069		Sheet 2 of 2	
Casing Depth	150	Reference Point	Breakout								
Open Hole Depth	160	After test 160	Height Above Ground Level	4.66							
Screen Depth											
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	18gpm		Volume Tank	Yes				
Static Water Level	7.67		Generator		Water Level	Transducer	No				

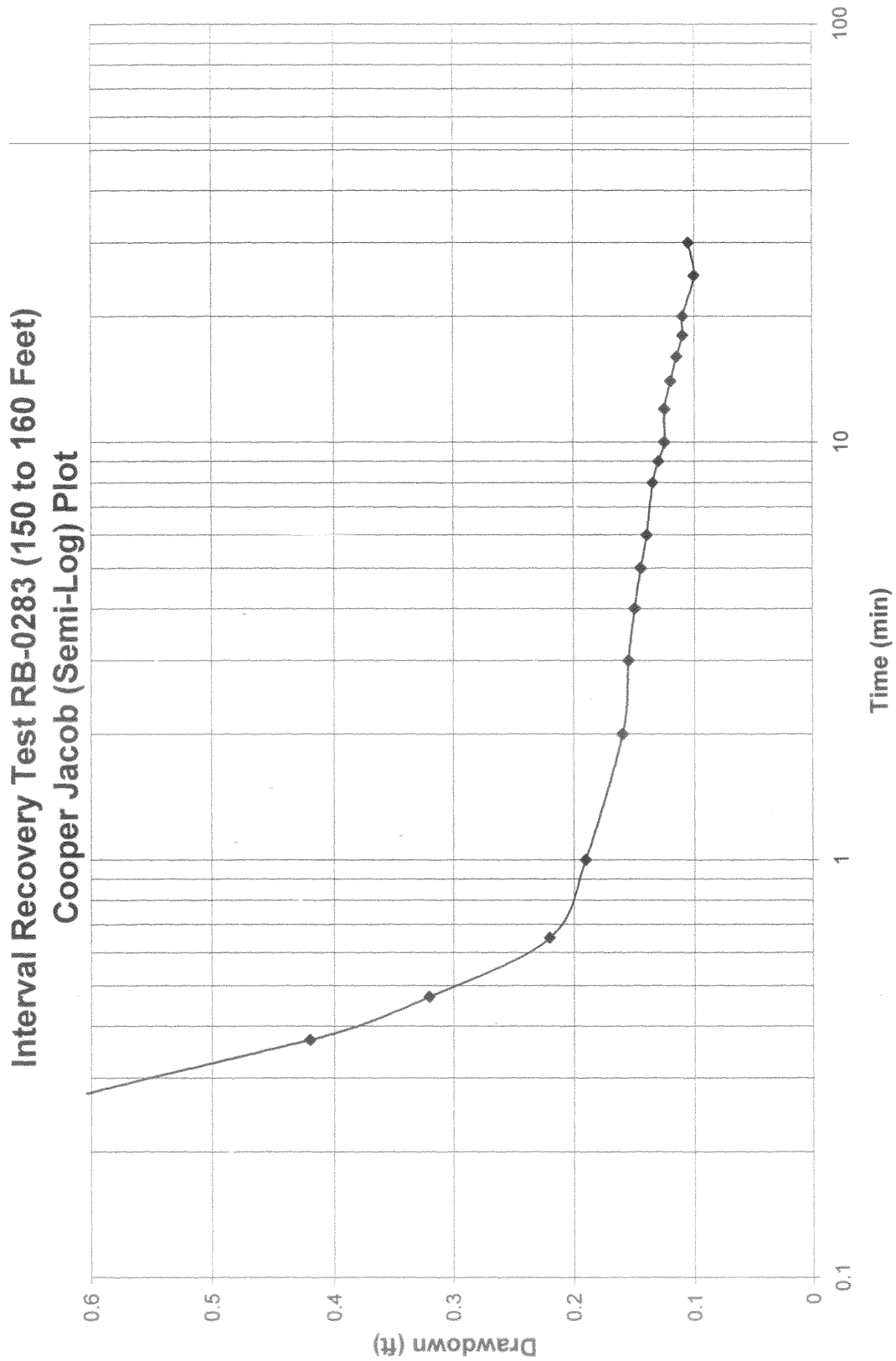
[illegible]

# Interval Pumping Test RB-0283 (150 to 160 Feet) Cooper Jacob (Semi-Log) Plot











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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0284
Project No.	142004	Interval Test	From 40
Client	SFWMD		To 50

Location		Westside, centre		Coordinates		East 758050		North 764456		Sheet1 of 2	
Casing Depth	40	Reference Point		Breakout							
Open Hole Depth	46	After test 46		Height Above Ground Level		5					
Screen Depth											
Pump Setting Depth	30	Pump Details		Diameter	3"	Discharge	Flowmeter	No			
				Capacity	18gpm		Volume Tank	Yes			
Static Water Level	7.62			Generator		Water Level	Transducer	No			

[illegible]



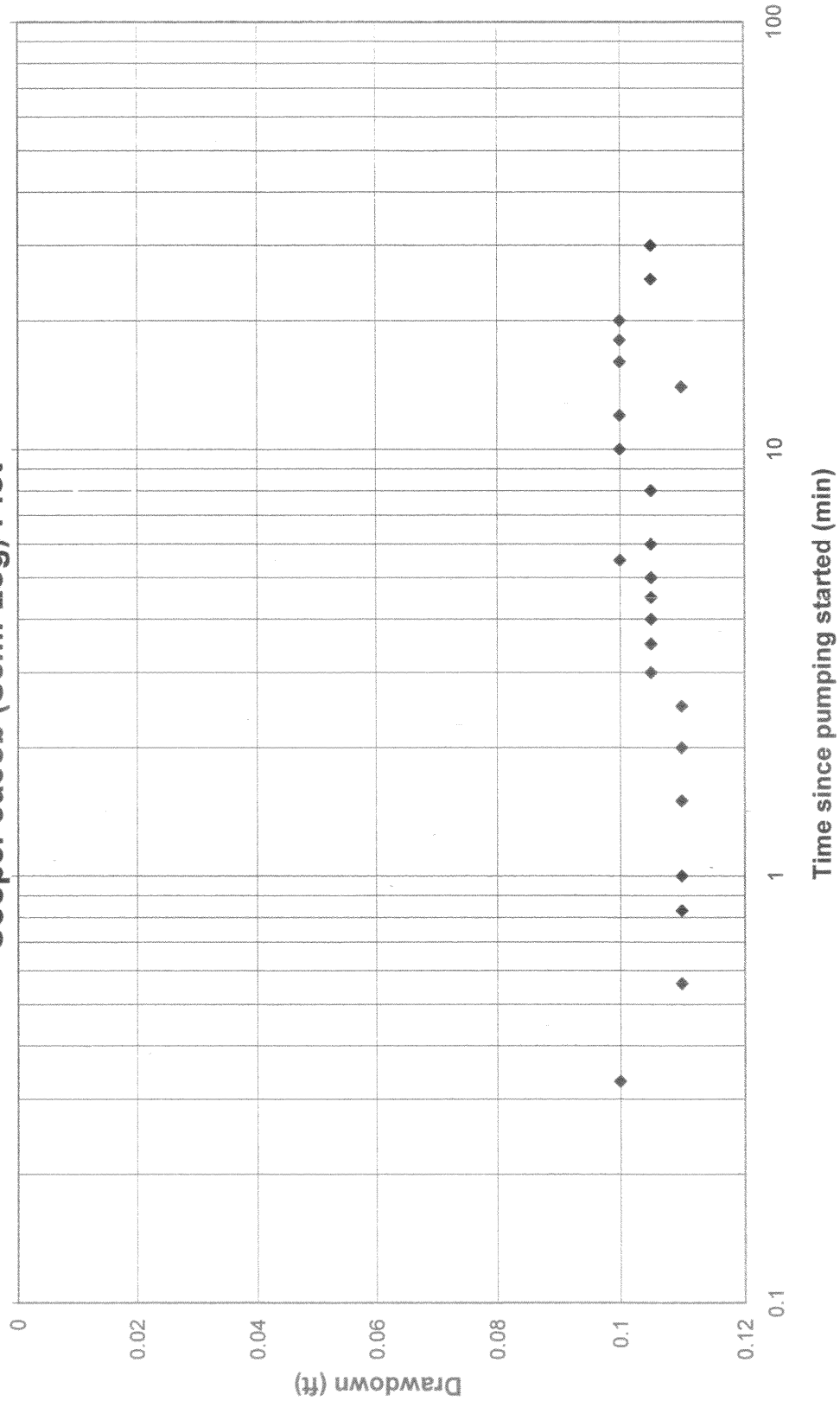
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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0284
Project No.	142004	Interval Test	From 40
Client	SFWMD		To 50

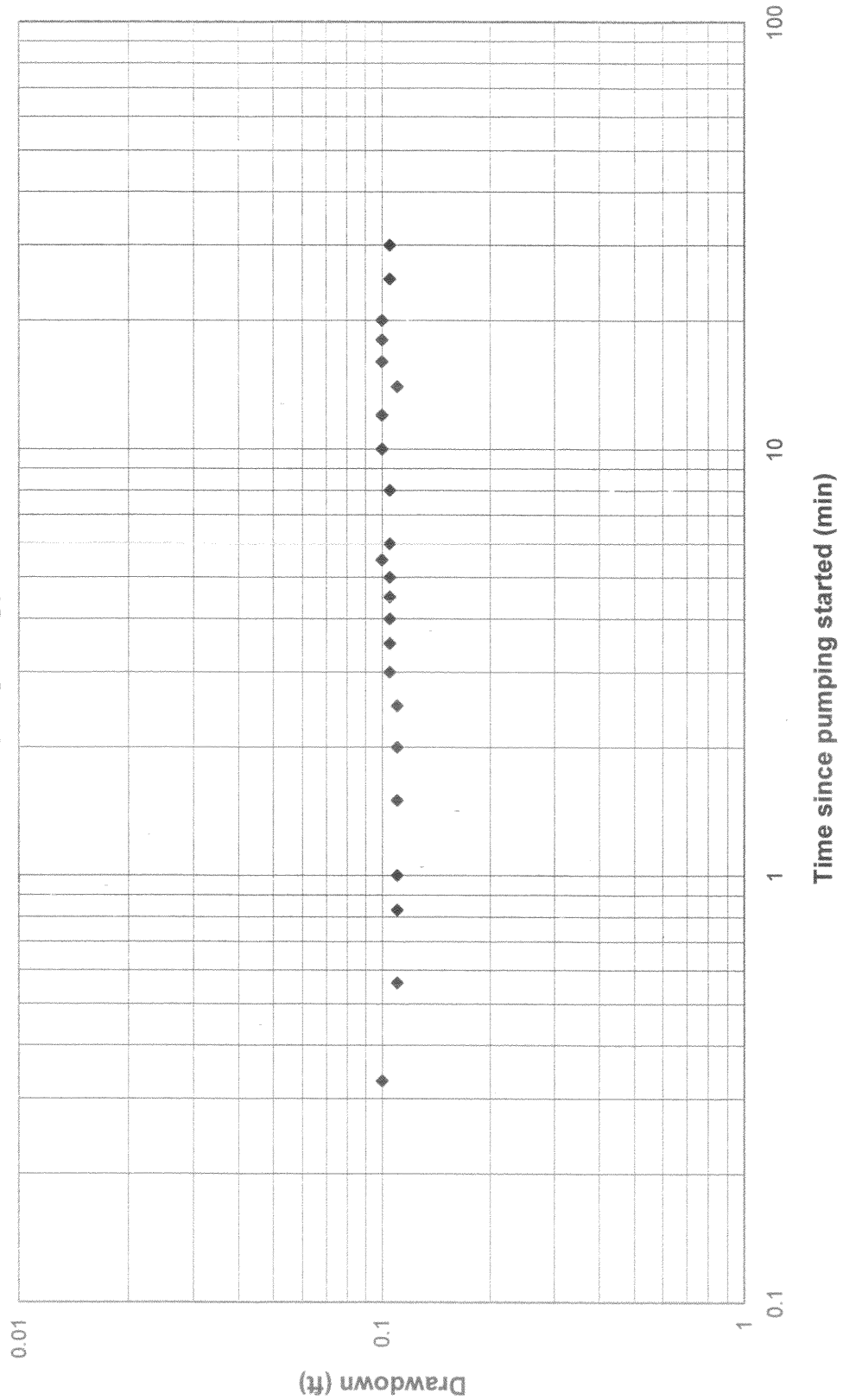
Location		Westside, centre		Coordinates		East 758050		North 764456		Sheet 2 of 2	
Casing Depth	40	Reference Point		Breakout							
Open Hole Depth	46	After test 46		Height Above Ground Level		5					
Screen Depth											
Pump Setting Depth	30	Pump Details		Diameter	3"	Discharge	Flowmeter	No			
				Capacity	18gpm		Volume Tank	Yes			
Static Water Level	7.62			Generator		Water Level	Transducer	No			

[illegible]

# Interval Pumping Test RB-0284 (40 to 50 Feet) Cooper Jacob (Semi-Log) Plot



# Interval Pumping Test RB-0284 (40 to 50 Feet) Hantush (Log-Log) Plot





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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0284
Project No.	142004	Interval Test	From 70
Client	SFWMD		To 80

Location		Westside, centre		Coordinates		East 758050		North 764456		Sheet1 of 2	
Casing Depth	70	Reference Point	Breakout								
Open Hole Depth	77 After test 77	Height Above Ground Level	5								
Screen Depth		Pump Details		Diameter	3"	Discharge	Flowmeter	No			
Pump Setting Depth	30			Capacity	18gpm	Volume Tank	Yes				
Static Water Level	7.45	Generator		Water Level	Transducer	No					

[illegible]



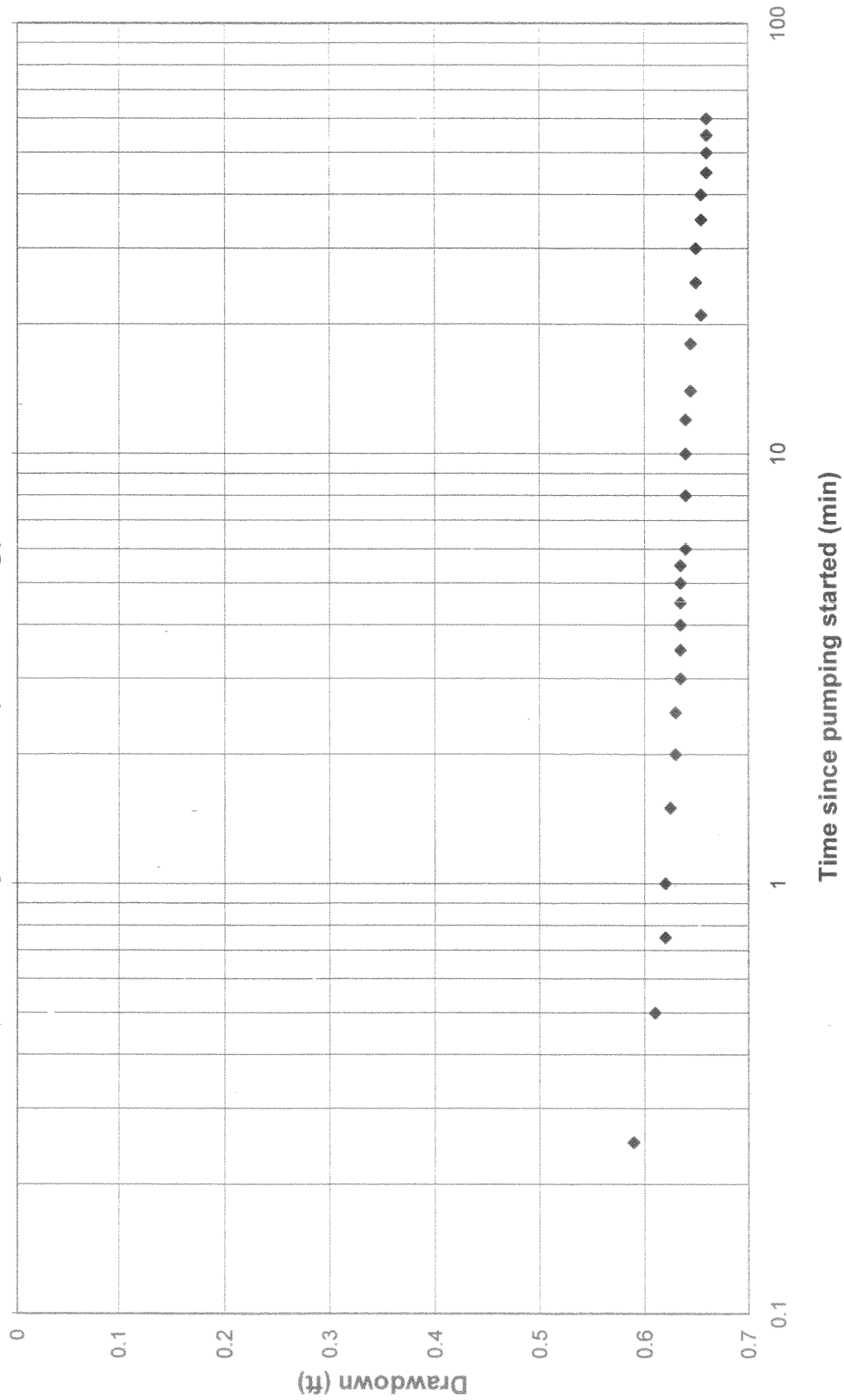
**BLACK & VEATCH**  
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Location		Westside, centre		Coordinates		East 758050		North 764456		Sheet 2 of 2	
Casing Depth	70	Reference Point		Breakout							
Open Hole Depth	77	After test 77		Height Above Ground Level		5					
Screen Depth											
Pump Setting Depth	30	Pump Details		Diameter		3"		Discharge		Flowmeter	
				Capacity		18gpm				Volume Tank	
				Generator				Water Level		Transducer	
Static Water Level	7.45									No	
										Yes	
										No	

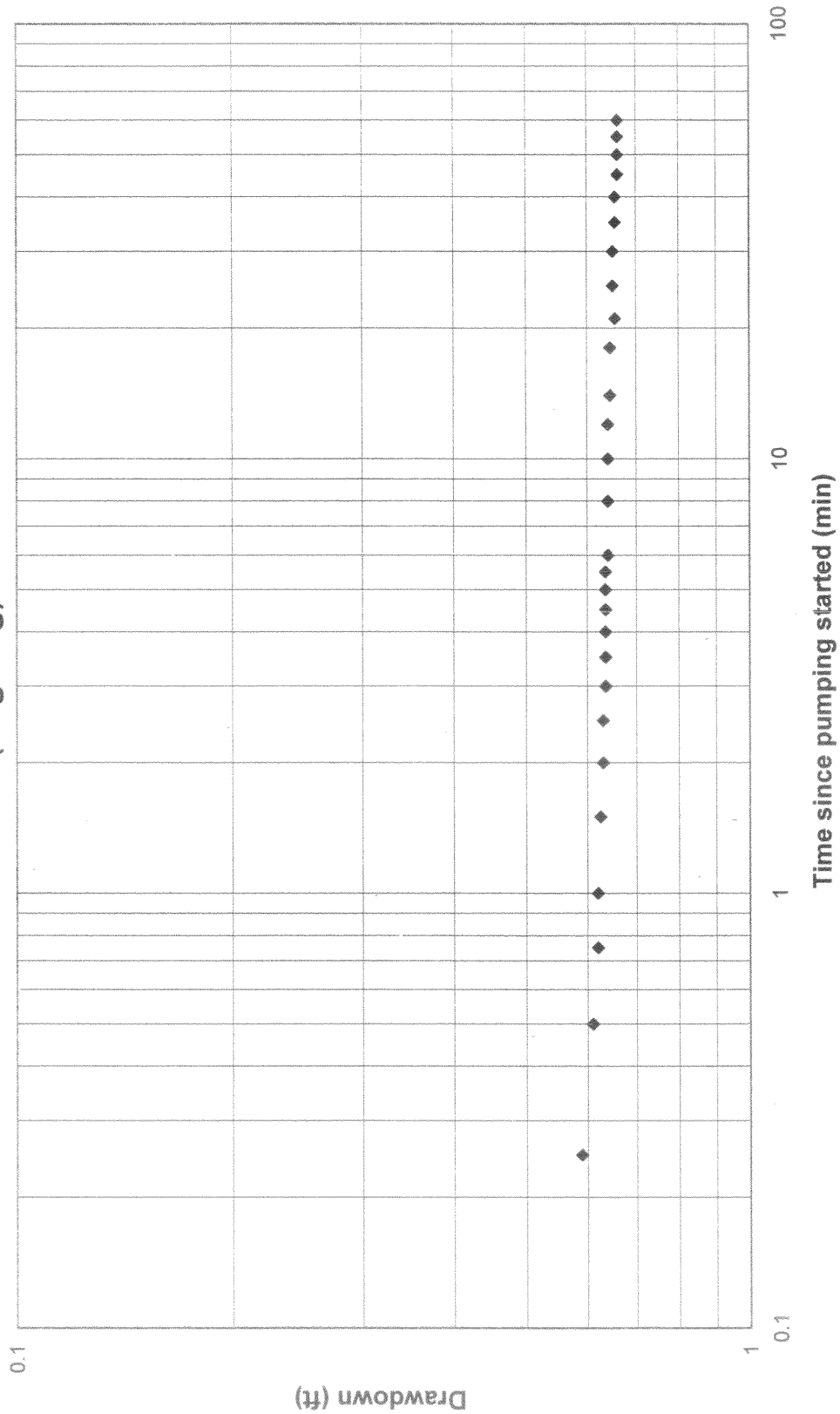
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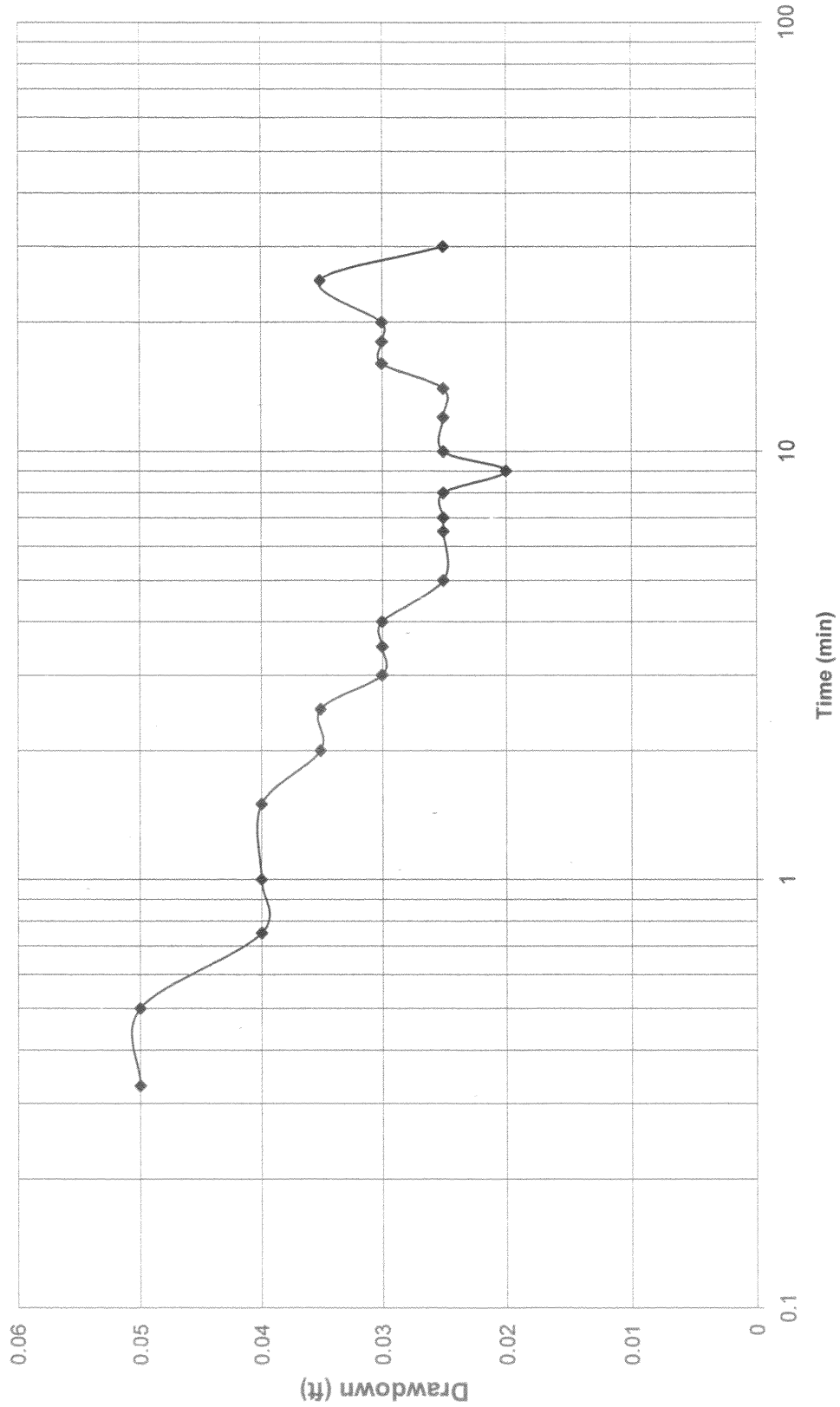
# Interval Pumping Test RB-0284 (70 to 80 Feet) Cooper Jacob (Semi-Log) Plot



**Interval Pumping Test RB-0284 (70 to 80 Feet)  
Hantush (Log-Log) Plot**



# Interval Recovery Test RB-0284 (70 to 80 Feet) Cooper Jacob (Semi-Log) Plot





### Building a world of difference

<b>Project</b>	Everglades AA Reservoir A-1	<b>Pumping Test Well</b>	RB-0284
<b>Project No.</b>	142004		
<b>Client</b>	SFWMD	<b>Interval Test</b>	From 110
			To 120

Location		Westside, centre		Coordinates		East 758050		North 764456		Sheet1 of 2	
Casing Depth	110	Reference Point	Breakout								
Open Hole Depth	118.5	After test 118	Height Above Ground Level	4.8							
Screen Depth											
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	18gpm		Volume Tank	Yes				
Static Water Level	7.655		Generator		Water Level	Transducer	No				

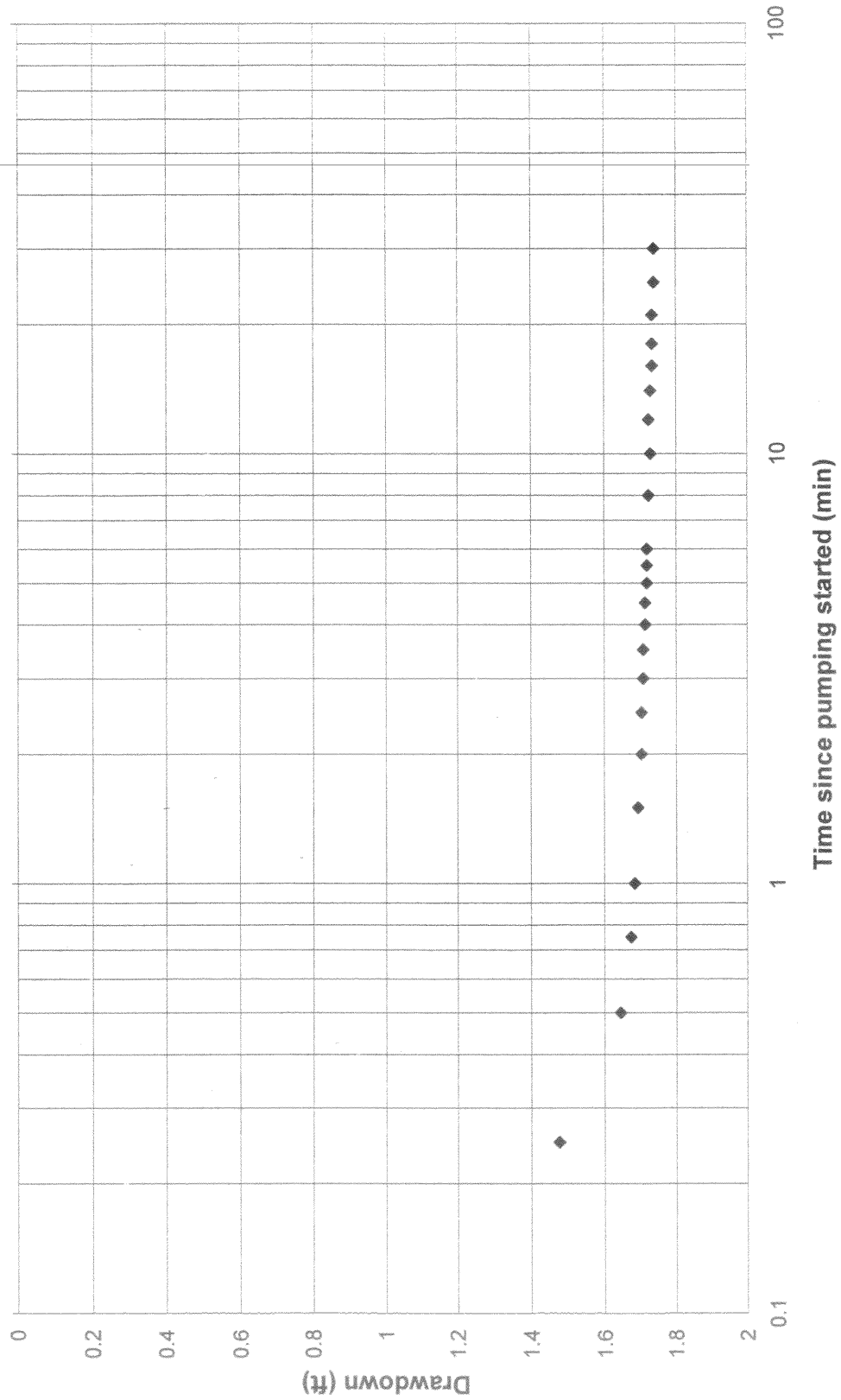
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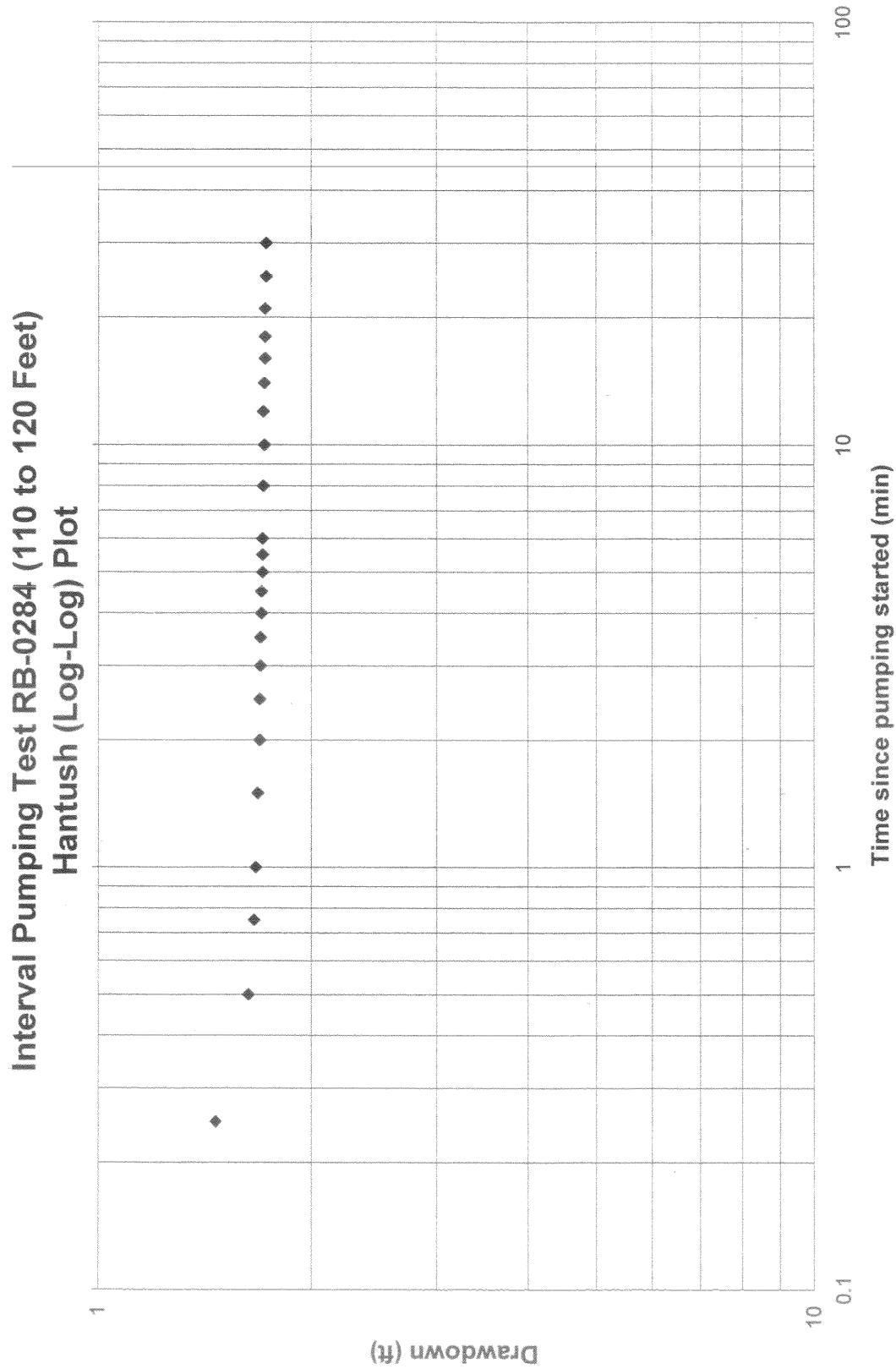


Location		Westside, centre		Coordinates		East 758050		North 764456		Sheet 2 of 2	
Casing Depth	110	Reference Point	Breakout								
Open Hole Depth	118.5	After test 118	Height Above Ground Level	4.8							
Screen Depth											
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	18gpm		Volume Tank	Yes				
Static Water Level	7.655		Generator		Water Level	Transducer	No				

[illegible]

# Interval Pumping Test RB-0284 (110 to 120 Feet) Cooper Jacob (Semi-Log) Plot



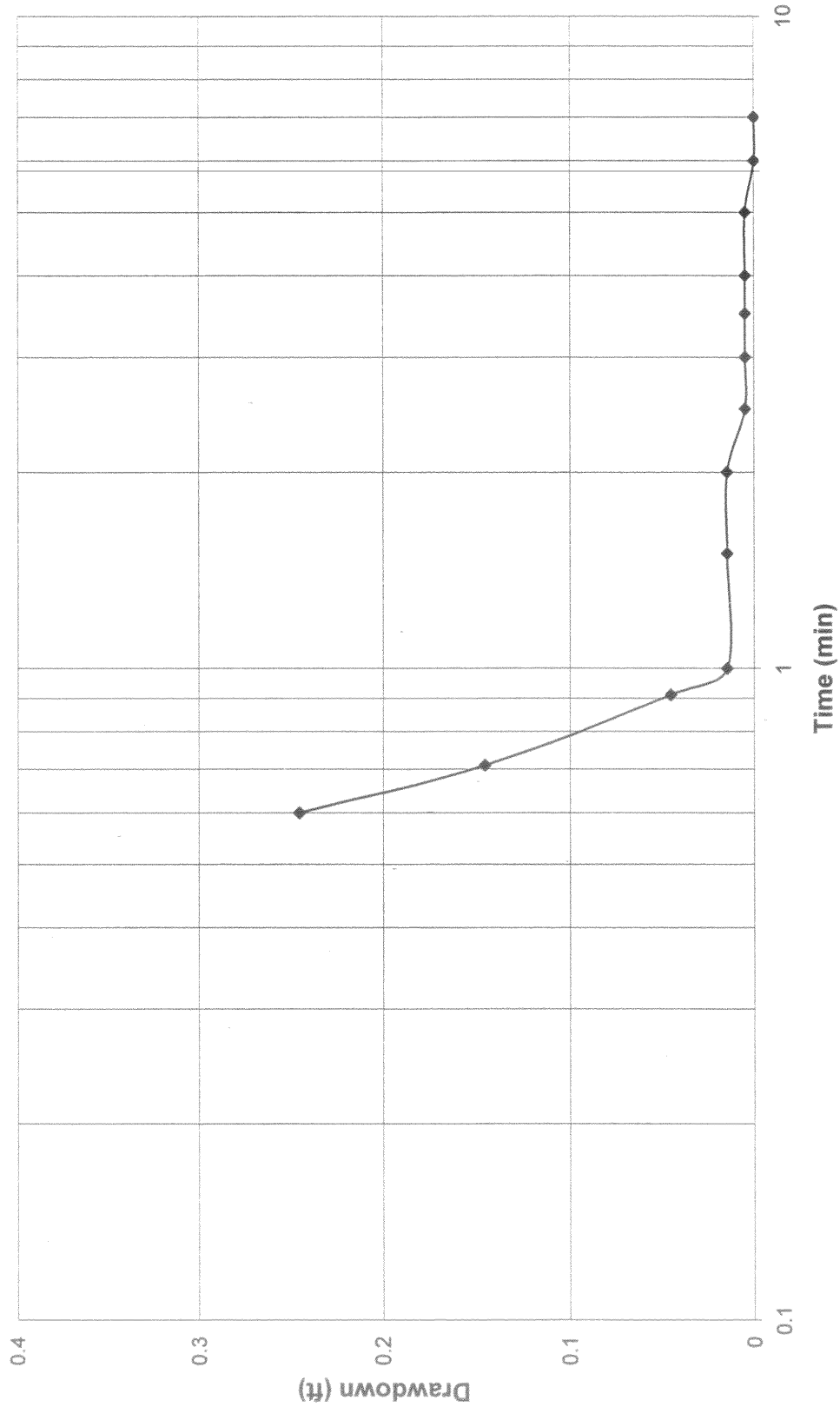




March, 2006

EAA Reservoir A-1 Geotechnical Data Report

# Interval Recovery Test RB-0284 (110 to 120 Feet) Cooper Jacob (Semi-Log) Plot



Appendix 4

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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0284
Project No.	142004	Interval Test	From 150
Client	SFWMD		To 160

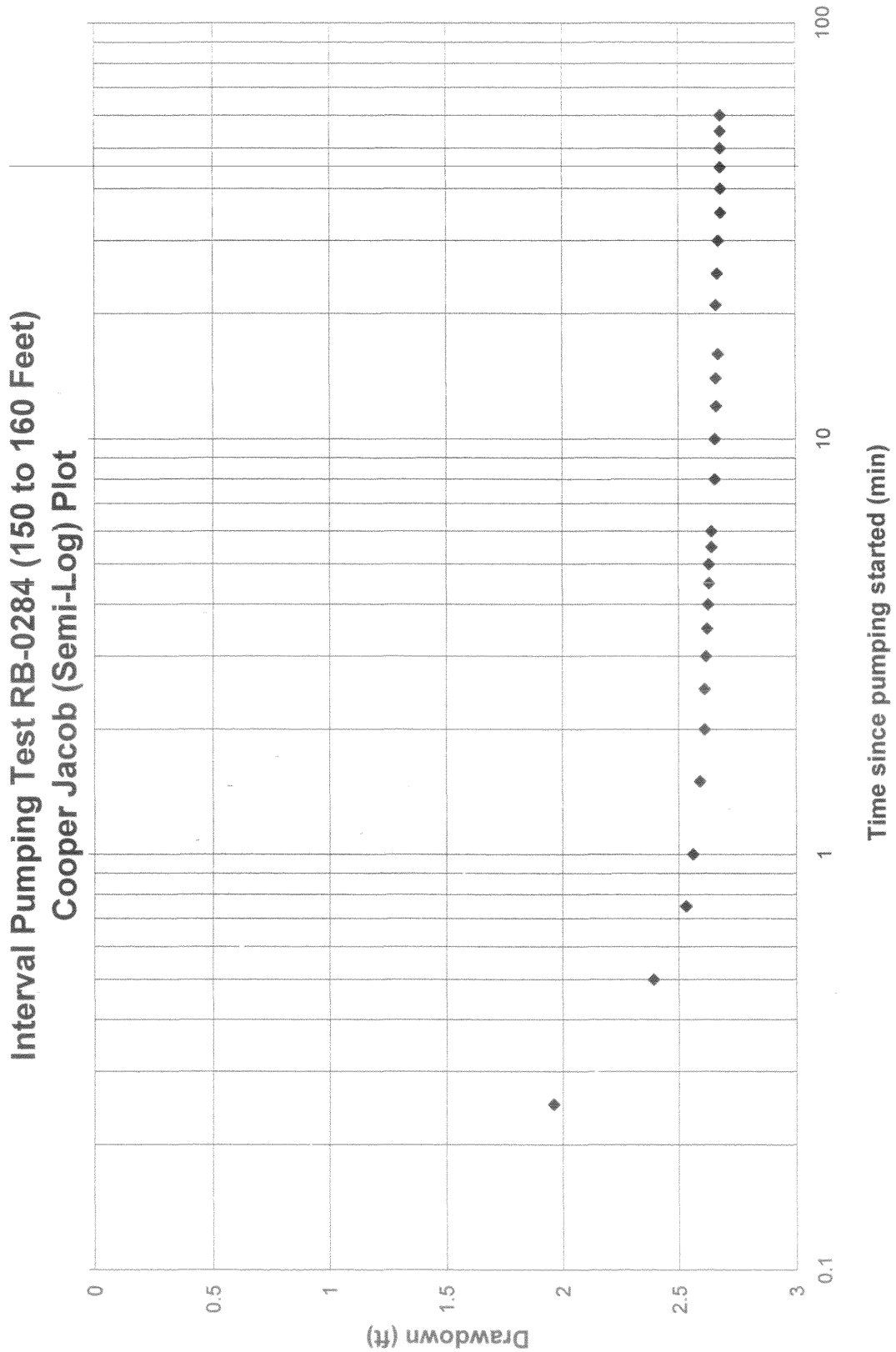
Location		Westside, centre		Coordinates		East 758050		North 764456		Sheet1 of 2	
Casing Depth	150	Reference Point	Breakout								
Open Hole Depth	160	After test 159	Height Above Ground Level	4.8							
Screen Depth											
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	18gpm		Volume Tank	Yes				
Static Water Level	7.79		Generator		Water Level	Transducer	No				

[illegible]

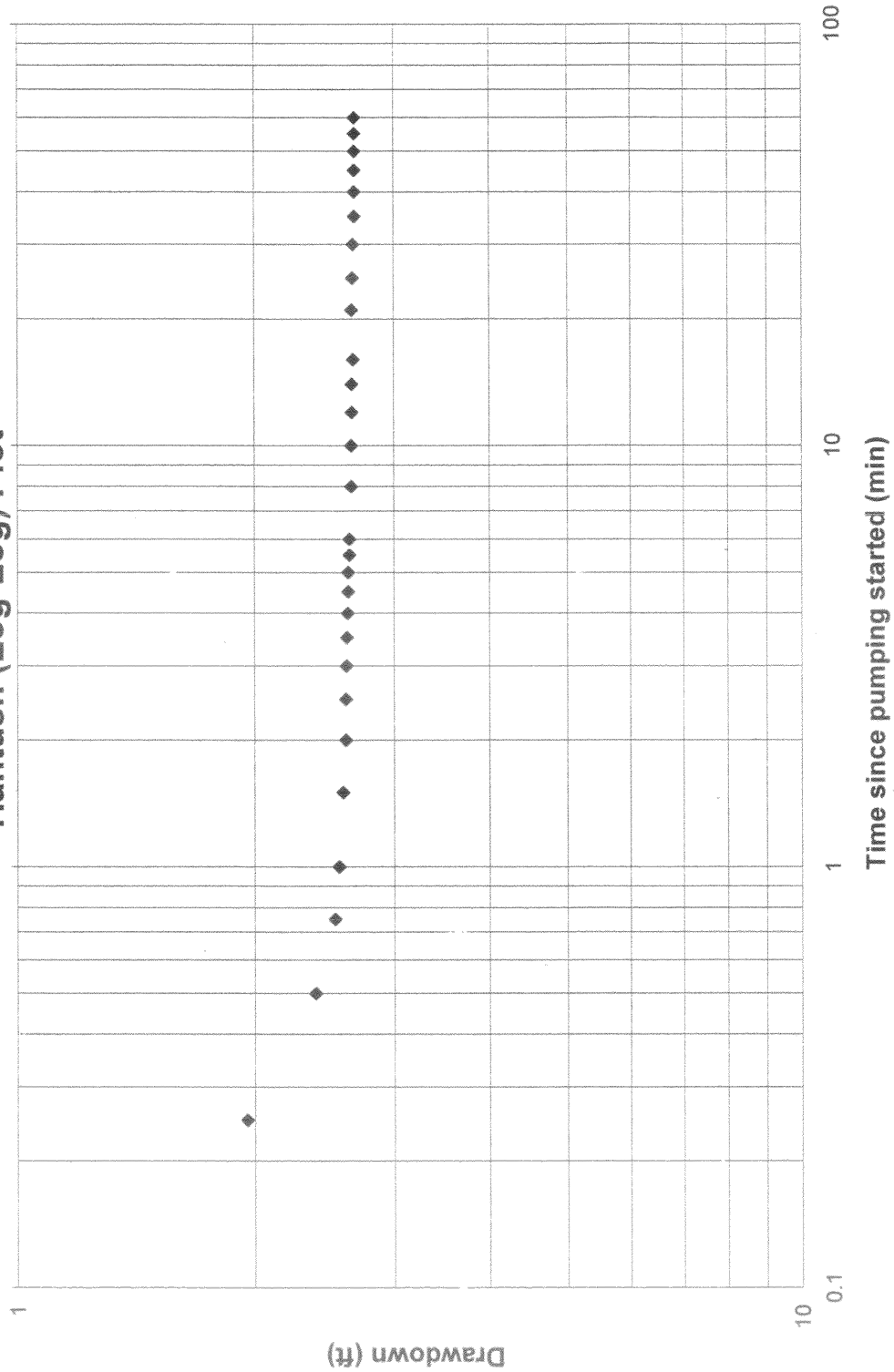


Location		Westside, centre		Coordinates		East 758050		North 764456		Sheet 2 of 2	
Casing Depth	150	Reference Point After test 159	Height Above Ground Level	Breakout							
Open Hole Depth	160			4.8							
Screen Depth											
Pump Setting Depth	30	Pump Details		Diameter	3"	Discharge	Flowmeter	No			
				Capacity	18gpm		Volume Tank	Yes			
Static Water Level	7.79			Generator		Water Level	Transducer	No			

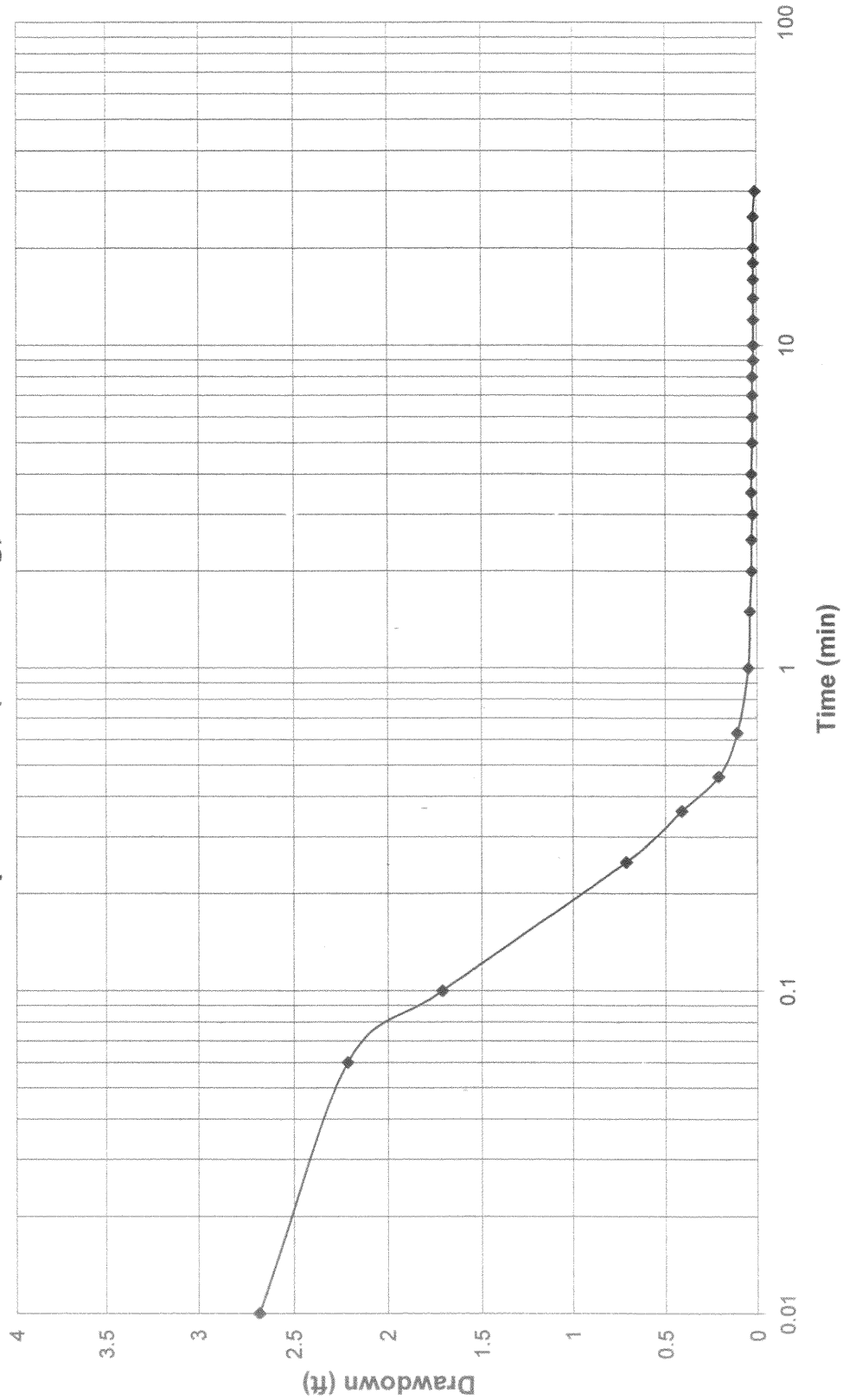
[illegible]



# Interval Pumping Test RB-0284 (150 to 160 Feet) Hantush (Log-Log) Plot



# Interval Recovery Test RB-0284 (150 to 160 Feet) Cooper Jacob (Semi-Log) Plot



EAA-1 Reservoir  
Well: RB-0285  
250' boring with Interval Testing      Rig Floor Measuring Point: 4.70' above ground level.  
Water Levels if Feet, measured from the Rig Floor.  
Time is minutes

**First Interval Test  
40' - 50' openhole section**

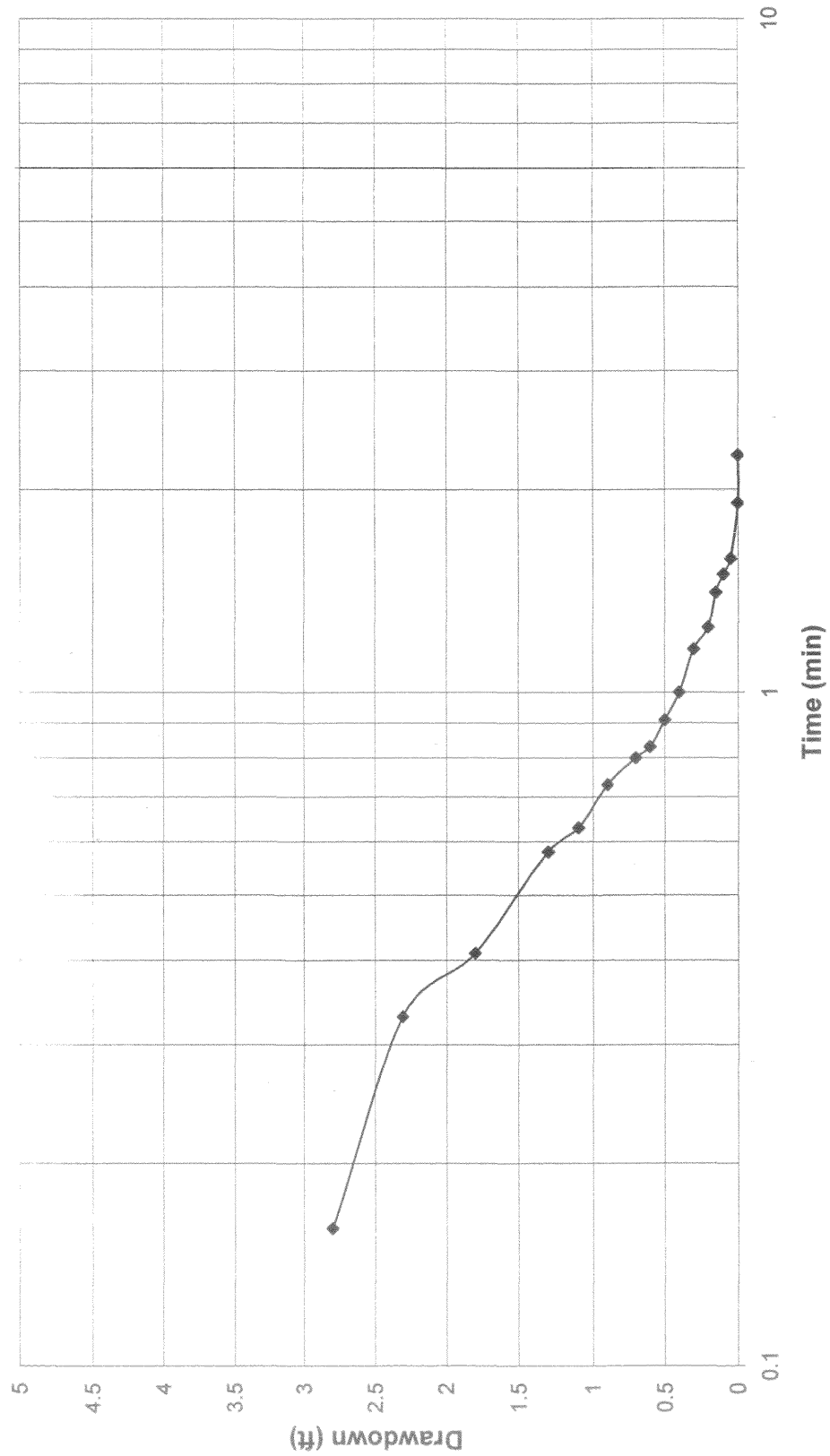
Static Water Level: 11.70

Flow Rate Time (min.)	1st Step 4.8 gpm		2nd Step 9.3 gpm		3rd Step 13.8 gpm		4th Step 16 gpm		Recovery		Recovery Feet
	Water Levels	Drawdown Feet	Water Levels	Drawdown Feet	Water Levels	Drawdown Feet	Water Levels	Drawdown Feet	Time (min.)	Water Levels	
0.33	13.10	1.40	14.39	2.69	16.00	4.30	16.90	5.20	0.00	17.05	5.35
0.66	13.25	1.55	14.75	3.05	16.27	4.57	16.96	5.26	0.16	14.50	2.80
1.00	13.40	1.70	14.89	3.19	16.40	4.70	17.00	5.30	0.33	14.00	2.30
1.33	13.48	1.78	14.95	3.25	16.48	4.78	17.03	5.33	0.41	13.50	1.80
1.66	13.50	1.80	14.96	3.26	16.50	4.80	17.02	5.32	0.58	13.00	1.30
2.00	13.52	1.82	14.99	3.29	16.52	4.82	17.00	5.30	0.63	12.80	1.10
2.33	13.54	1.84	14.98	3.28	16.62	4.92	17.01	5.31	0.73	12.60	0.90
2.66	13.54	1.84	14.99	3.29	16.66	4.96	17.02	5.32	0.80	12.40	0.70
3.00	13.54	1.84	14.99	3.29	16.70	5.00	17.03	5.33	0.83	12.30	0.60
3.33	13.54	1.84	14.98	3.28	16.76	5.06	17.05	5.35	0.91	12.20	0.50
3.60	13.54	1.84	14.98	3.28	16.80	5.10	17.05	5.35	1.00	12.10	0.40
4.00	13.55	1.85	15.00	3.30	16.82	5.12	17.07	5.37	1.16	12.00	0.30
4.33	13.55	1.85	15.00	3.30	16.79	5.09	17.07	5.37	1.25	11.90	0.20
4.66	13.55	1.85	15.02	3.32	16.75	5.05	17.07	5.37	1.41	11.85	0.15
5.00	13.54	1.84	15.03	3.33	16.70	5.00	17.07	5.37	1.50	11.80	0.10
5.33	13.53	1.83	15.03	3.33	16.66	4.96	17.07	5.37	1.58	11.75	0.05
5.66	13.53	1.83	15.04	3.34	16.64	4.94	17.07	5.37	1.91	11.70	0.00
6.00	13.53	1.83	15.04	3.34	16.63	4.93	17.07	5.37	2.25	11.70	0.00
8.00	13.53	1.83	15.02	3.32	16.60	4.90	17.08	5.38			
10.00	13.53	1.83	14.98	3.28	16.54	4.84	17.08	5.38			
12.00	13.53	1.83	14.99	3.29	16.46	4.76	17.08	5.38			
14.00	13.53	1.83	14.99	3.29	16.44	4.74	17.08	5.38			
15.00	13.53	1.83	15.00	3.30	16.44	4.74	17.08	5.38			
20.00	13.53	1.83	15.00	3.30	16.44	4.74	17.08	5.38			
25.00	13.53	1.83	15.00	3.30	16.44	4.74	17.08	5.38			
30.00	13.53	1.83	14.92	3.22	16.44	4.74	17.04	5.34			
35.00			14.98	3.28	16.44	4.74	17.05	5.35			
40.00			14.99	3.29							
45.00			15.00	3.30							
50.00											
55.00											
60.00											

\* Generator out of fuel, at the 30 min. mark, down one minute.



# Interval Recovery Test RB-0285 (40 to 50 Feet) Cooper Jacob (Semi-Log) Plot



EAA-1 Reservoir  
Well: RB-0285

250' boring with Interval Testing Rlg Floor Measuring Point: 4.70' above ground level.

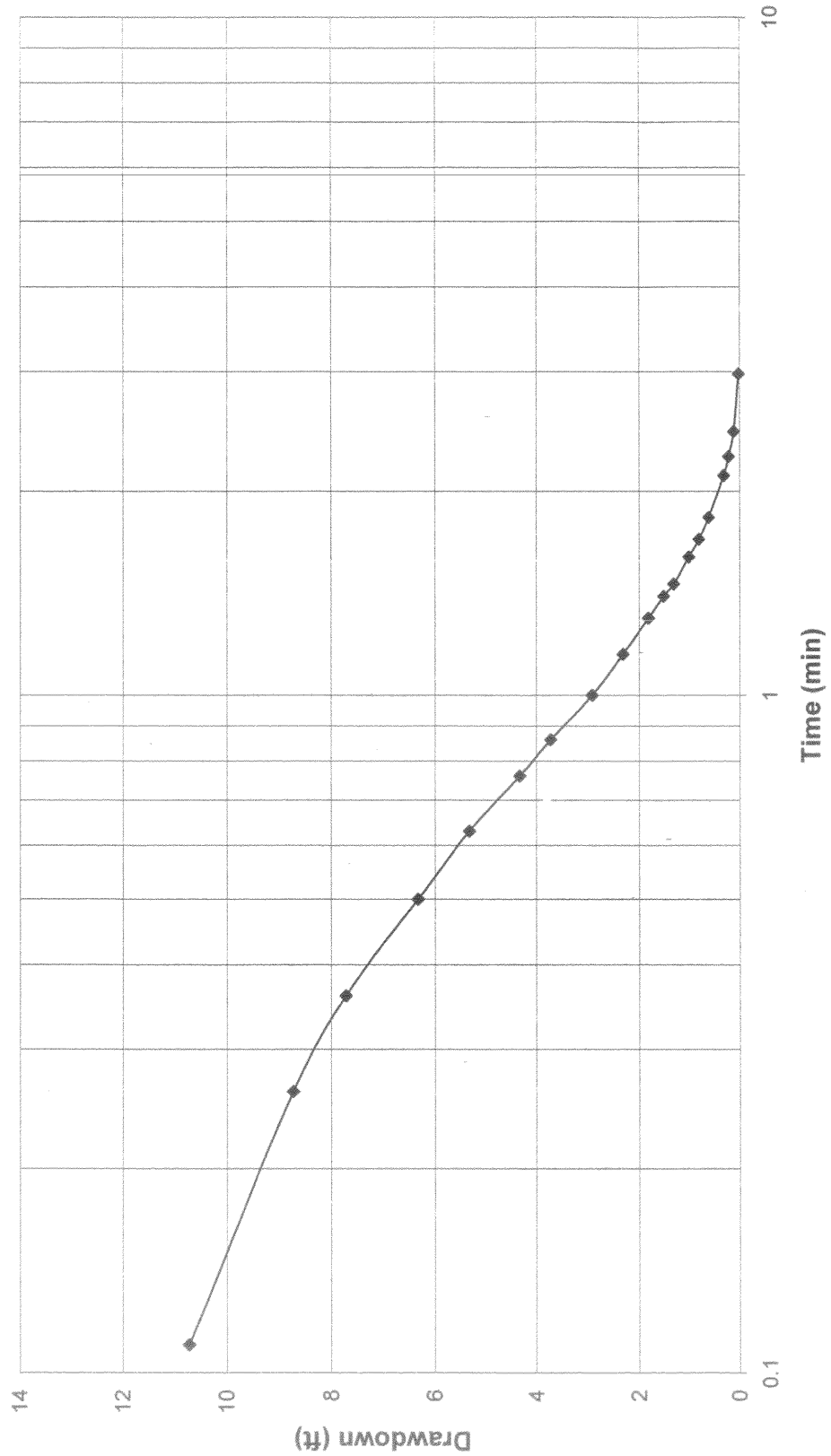
Water Levels if Feet, measured from the Rlg Floor.  
Time is minutes

### Second Interval Test

70' - 80' openhole section

Static Water Level:		11.68											
Flow Rate	1st Step 4.8 gpm Time (min.),Water Level	2nd Step 10.2 gpm		3rd Step 12.7 gpm		4th Step 15.7 gpm		Drawdown Feet	Recovery Time (min.),Water Level	Recovery Feet	Recovery Time (min.),Water Level	Recovery Feet	
		Drawdown Feet	Water Level	Drawdown Feet	Water Level	Drawdown Feet	Water Level						
0.33	12.35	0.67	13.35	1.67	17.10	5.42	20.10	8.42	0.11	22.40	10.72		
0.66	12.40	0.72	13.95	2.27	17.50	5.82	20.65	8.97	0.26	20.40	8.72		
1.00	12.43	0.75	14.03	2.35	17.70	6.02	21.00	9.32	0.36	19.40	7.72		
1.33	12.43	0.75	14.50	2.82	17.84	6.16	21.28	9.60	0.50	18.00	6.32		
1.66	12.43	0.75	14.70	3.02	17.95	6.27	21.50	9.82	0.63	17.00	5.32		
2.00	12.43	0.75	14.90	3.22	18.07	6.39	21.70	10.02	0.76	16.00	4.32		
2.33	12.44	0.76	15.08	3.40	18.16	6.48	21.84	10.16	0.86	15.40	3.72		
2.66	12.44	0.76	15.14	3.46	18.24	6.56	21.95	10.27	1.00	14.60	2.92		
3.00	12.44	0.76	15.20	3.52	18.31	6.63	22.09	10.41	1.15	14.00	2.32		
3.33	12.44	0.76	15.27	3.59	18.38	6.70	22.18	10.50	1.30	13.50	1.82		
3.60	12.44	0.76	15.35	3.67	18.42	6.74	22.24	10.56	1.40	13.20	1.52		
4.00	12.44	0.76	15.40	3.72	18.48	6.80	22.32	10.64	1.46	13.00	1.32		
4.33	12.44	0.76	15.45	3.77	18.50	6.82	22.35	10.67	1.60	12.70	1.02		
4.66	12.44	0.76	15.48	3.80	18.53	6.85	22.42	10.74	1.70	12.50	0.82		
5.00	12.45	0.77	15.51	3.83	18.57	6.89	22.47	10.79	1.83	12.30	0.62		
5.33	12.45	0.77	15.55	3.87	18.60	6.92	22.53	10.85	2.11	12.00	0.32		
5.66	12.45	0.77	15.58	3.90	18.64	6.96	22.58	10.90	2.25	11.90	0.22		
6.00	12.45	0.77	15.62	3.94	18.68	7.00	22.61	10.93	2.45	11.80	0.12		
8.00	12.45	0.77	15.66	3.98	18.88	7.20	22.82	11.14	2.98	11.70	0.02		
10.00	12.45	0.77	15.75	4.07	18.91	7.23	23.05	11.37					
12.00	12.45	0.77	15.89	4.21	18.98	7.30	23.14	11.46					
14.00	12.45	0.77	15.95	4.27	19.02	7.34	23.22	11.54					
15.00	12.45	0.77	16.00	4.32	19.04	7.36	23.30	11.62					
20.00	12.45	0.77	16.09	4.41	19.13	7.45	23.54	11.86					
25.00	12.45	0.77	16.24	4.56	19.21	7.53	23.72	12.04					
30.00			16.28	4.60	19.28	7.60	23.75	12.07					
35.00			16.33	4.65	19.30	7.62	23.81	12.13					
40.00			16.39	4.71	19.32	7.64	23.74	12.06					
45.00							23.86	12.18					
50.00							23.95	12.27					
55.00							23.96	12.28					
60.00							24.04	12.36					

# Interval Recovery Test RB-0285 (70 to 80 Feet) Cooper Jacob (Semi-Log) Plot



## EAA-1 Resvoir Project

Page

1

Well Number: RB-0285

Date:	July 28, 2005
-------	---------------

	From	To
1	1	1
2	1	2
3	1	3
4	1	4
5	1	5
6	1	6
7	1	7
8	1	8
9	1	9
10	1	10
11	1	11
12	1	12
13	1	13
14	1	14
15	1	15
16	1	16
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91	1	91
92	1	92
93	1	93
94	1	94
95	1	95
96	1	96
97	1	97
98	1	98
99	1	99
100	1	100

Test Interval	110	120
---------------	-----	-----

Flow Rate	20.2	gpm
-----------	------	-----

## Drawdown Test

Time Minutes	Water Level Feet	Drawdown Feet
0.00	12.35	
0.25	12.40	1.00
0.50	12.40	1.00
0.75	12.40	1.00
1.00	12.40	1.00
1.50	12.42	1.02
2.00	12.45	1.05
2.50	12.47	1.07
3.00	12.48	1.08
3.50	12.49	1.09
4.00	12.49	1.09
4.50	12.49	1.09
5.00	12.49	1.09
5.50	12.49	1.09
6.00	12.49	1.09
8.00	12.49	1.09
10.00	12.48	1.08
12.00	12.48	1.08
14.00	12.48	1.08
16.00	12.48	1.08
18.00	12.48	1.08
20.00	12.48	1.08
25.00	12.48	1.08
30.00	12.48	1.08
35.00	12.48	1.08
40.00	12.48	1.08
45.00	12.48	1.08
50.00	12.48	1.08
55.00	12.48	1.08
60.00	12.48	1.08
75.00		
90.00		
105.00		
120.00		
135.00		
150.00		
165.00		
180.00		

## Recovery Test

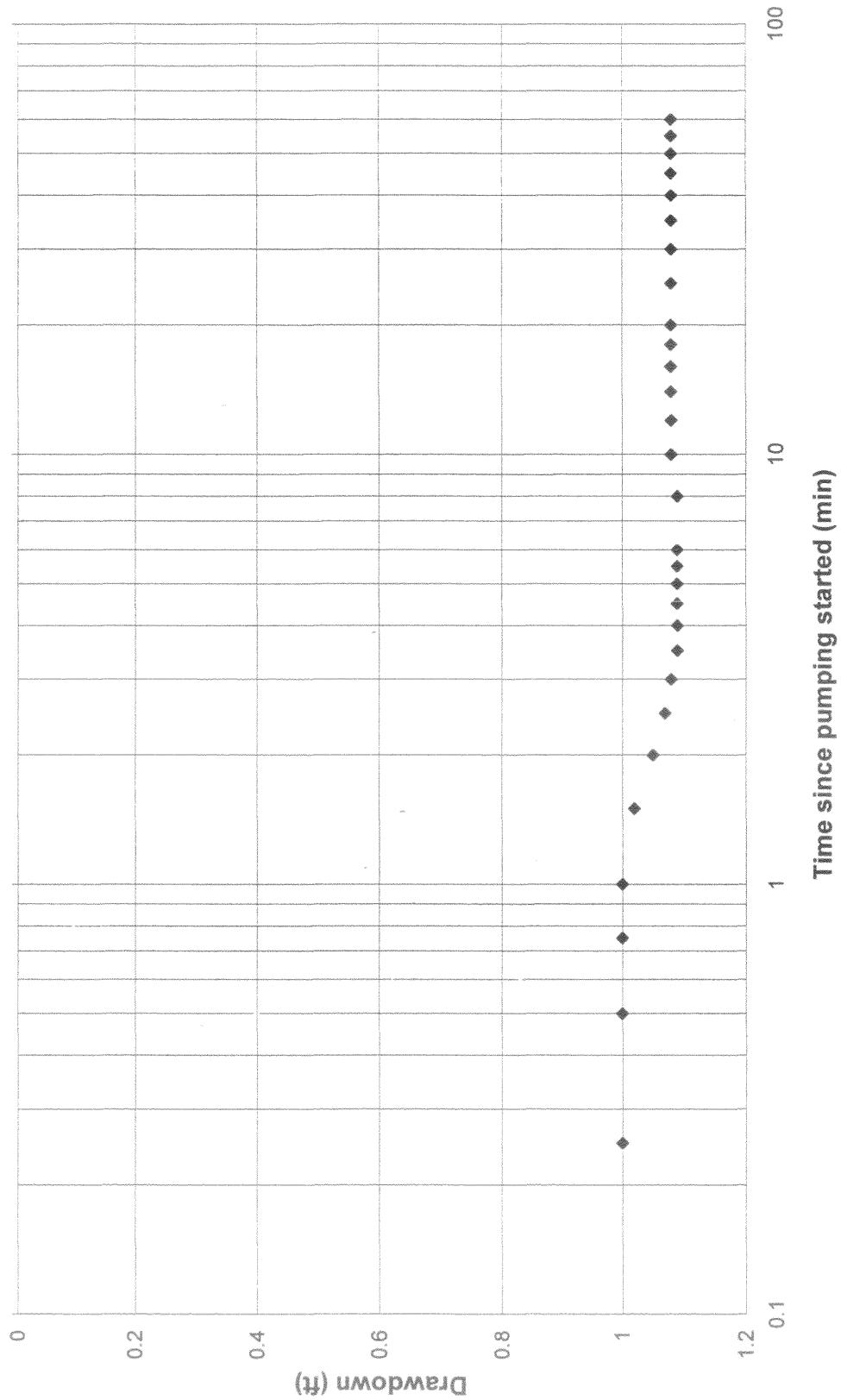
[illegible]

Static Water Level	11.40
--------------------	-------

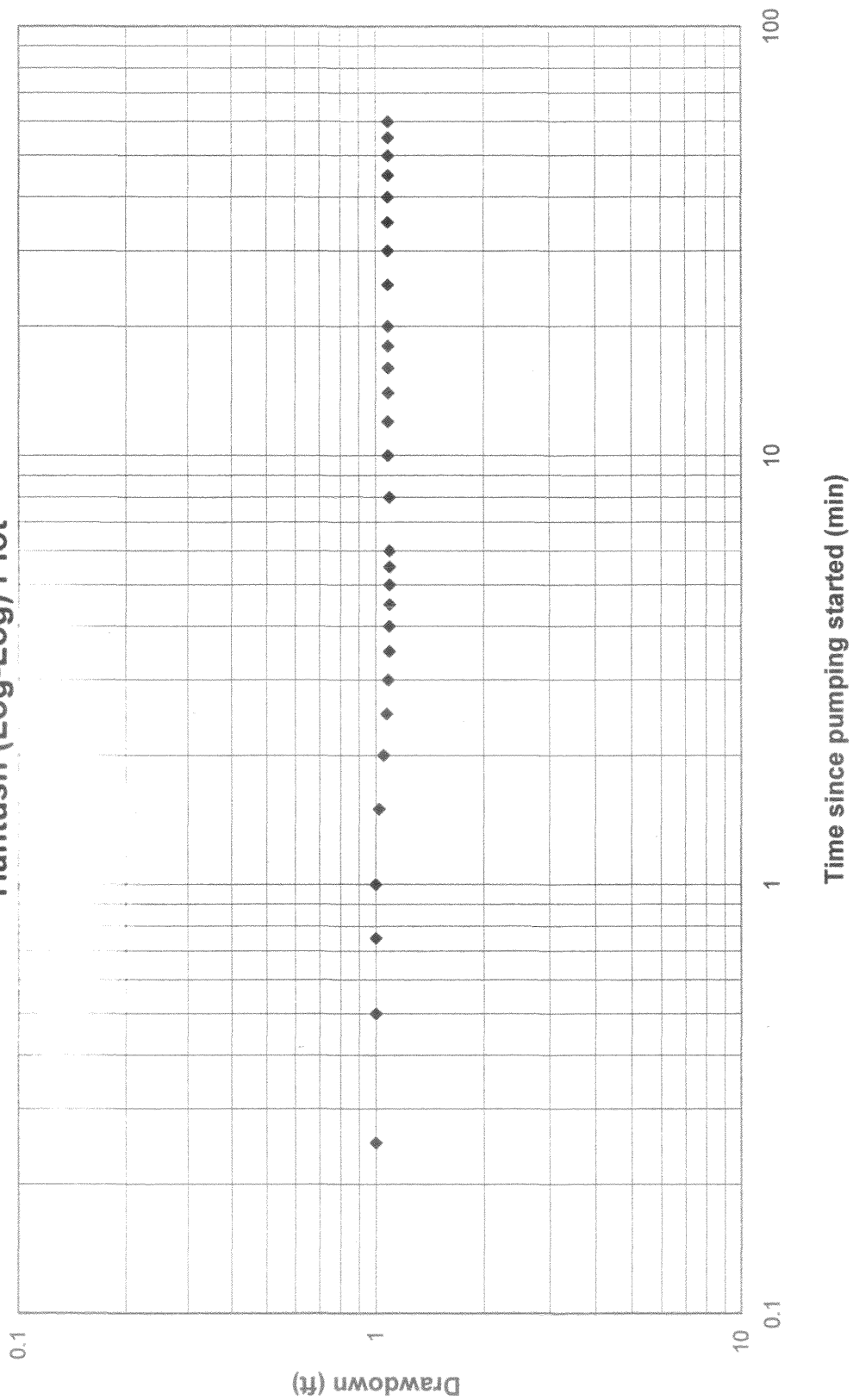
B&amp;V

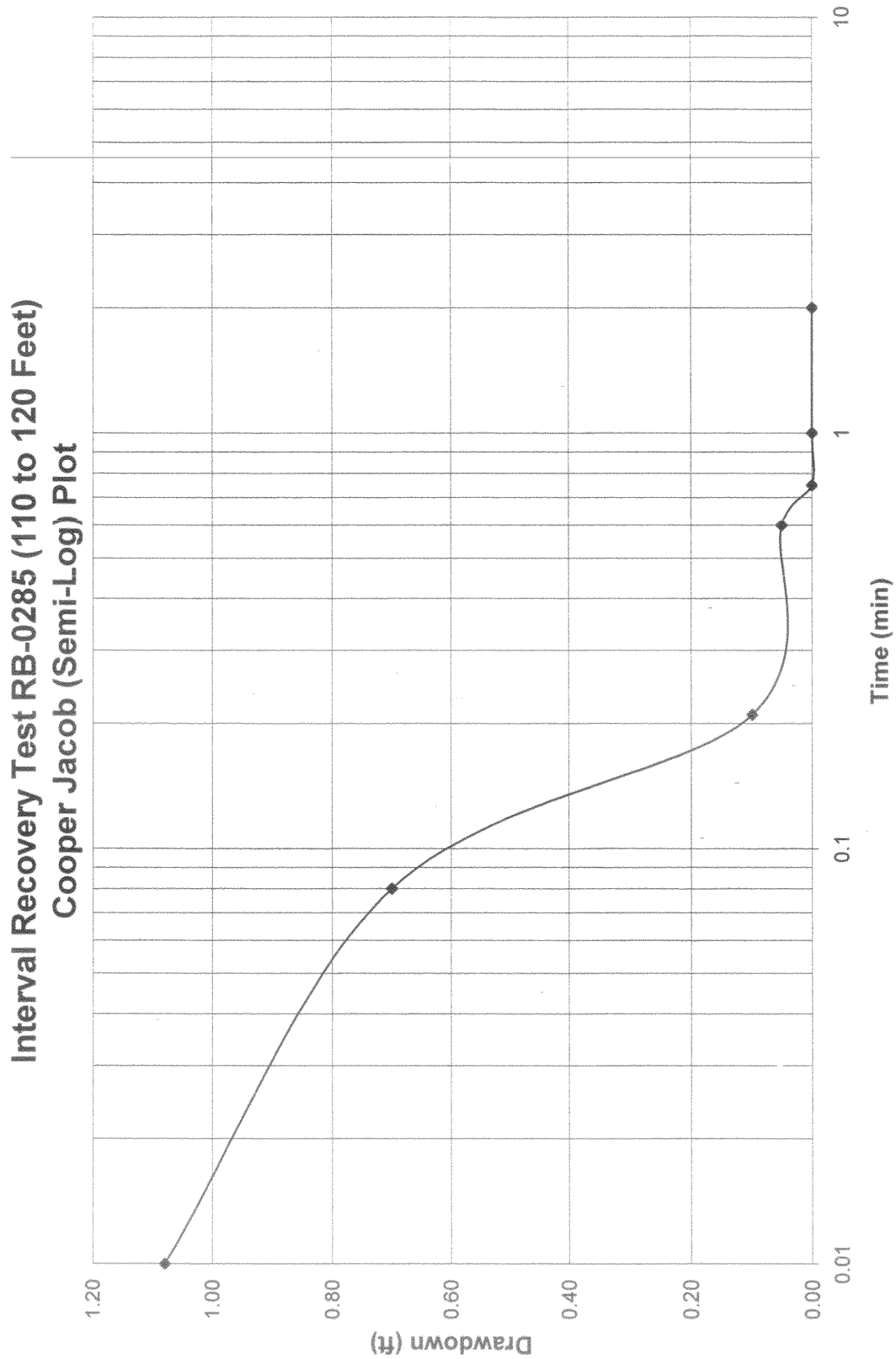
Engineer	Paul Petrey
----------	-------------

# Interval Pumping Test RB-0285 (110 to 120 Feet) Cooper Jacob (Semi-Log) Plot



# Interval Pumping Test RB-0285 (110 to 120 Feet) Hantush (Log-Log) Plot





## EAA-1 Resvoir Project

Page

1

Well Number:

RB-0285

Date:

July 28, 2005

## Test Interval

From

To

150

160

Flow Rate

22.5

gpm

### Drawdown Test

Time Minutes	Water Level Feet	Drawdown Feet
0.00	11.44	
0.25	13.55	2.11
0.50	14.00	2.56
0.75	14.13	2.69
1.00	14.18	2.74
1.50	14.23	2.79
2.00	14.25	2.81
2.50	14.27	2.83
3.00	14.29	2.85
3.50	14.29	2.85
4.00	14.30	2.86
4.50	14.30	2.86
5.00	14.30	2.86
5.50	14.30	2.86
6.00	14.31	2.87
8.00	14.31	2.87
10.00	14.31	2.87
12.00	14.32	2.88
14.00	14.33	2.89
16.00	14.33	2.89
18.00	14.33	2.89
20.00	14.34	2.90
25.00	14.35	2.91
30.00	14.36	2.92
35.00	14.36	2.92
40.00	14.36	2.92
45.00	14.36	2.92
50.00	14.36	2.92
55.00	14.37	2.93
60.00	14.37	2.93
75.00	14.39	2.95
90.00	14.38	2.94
105.00	14.38	2.94
120.00	14.39	2.95
135.00		
150.00		
165.00		
180.00		

### Recovery Test

[illegible]

### Static Water Level

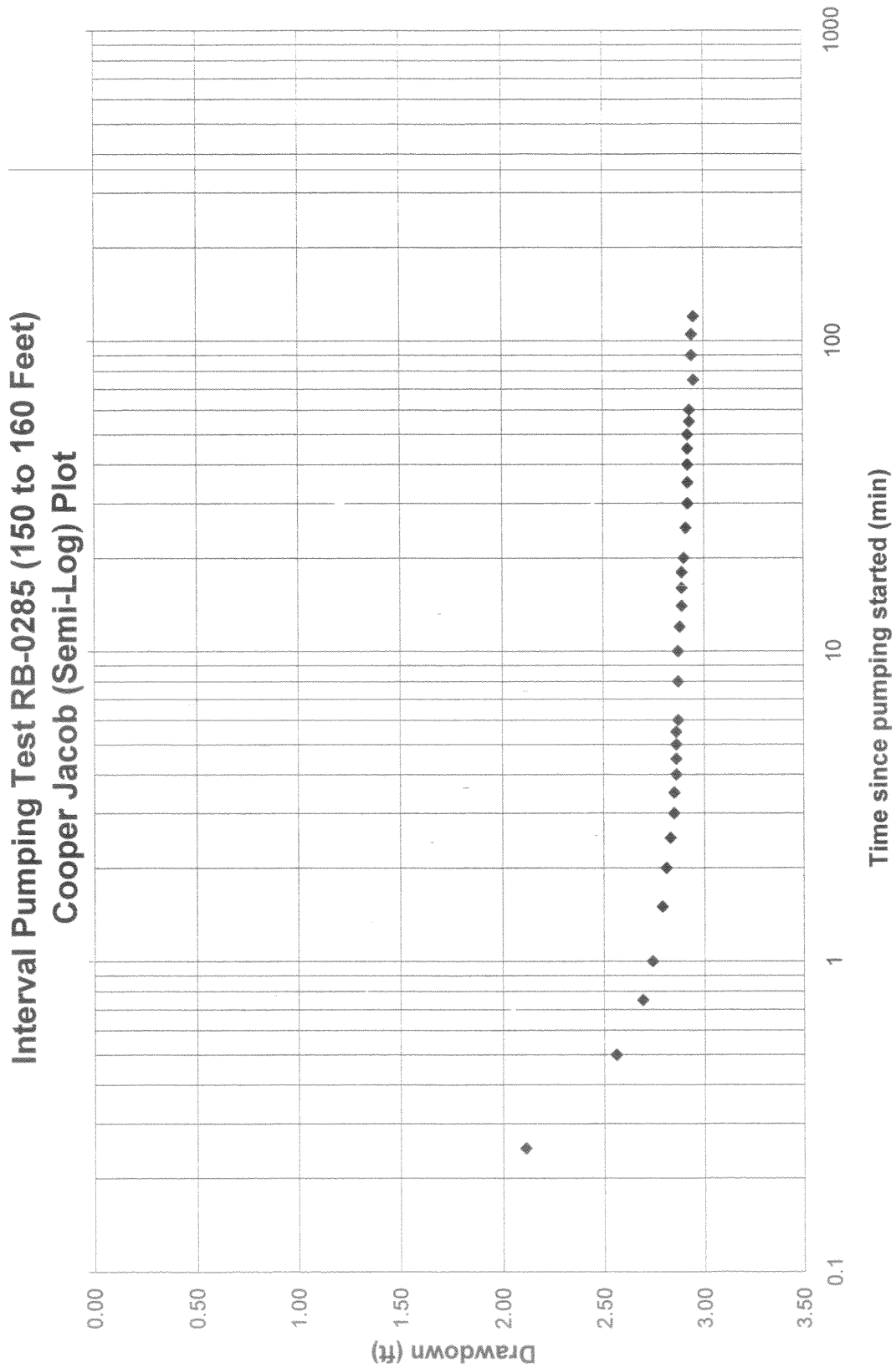
11.44

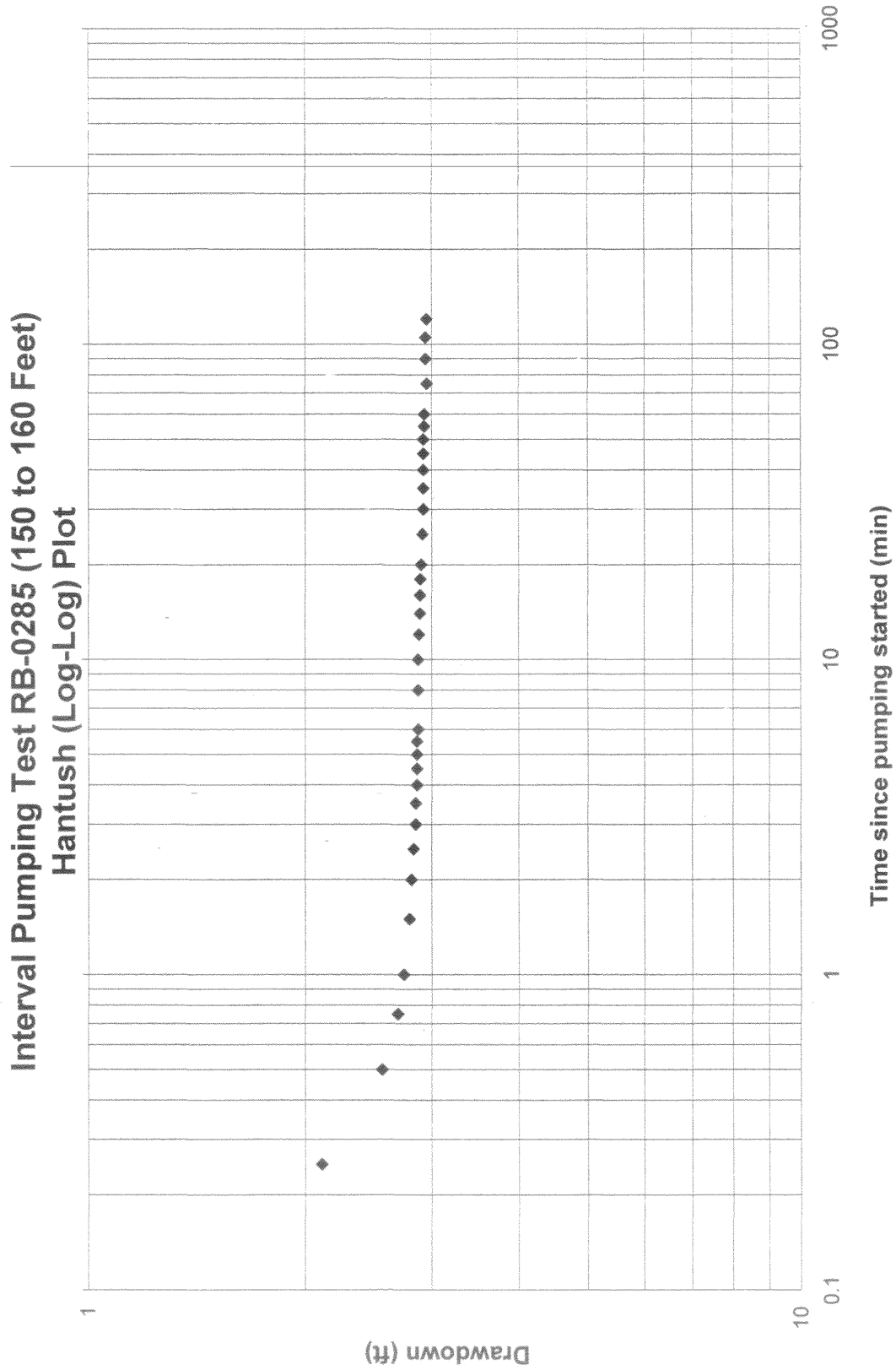
B&amp;V

Engineer

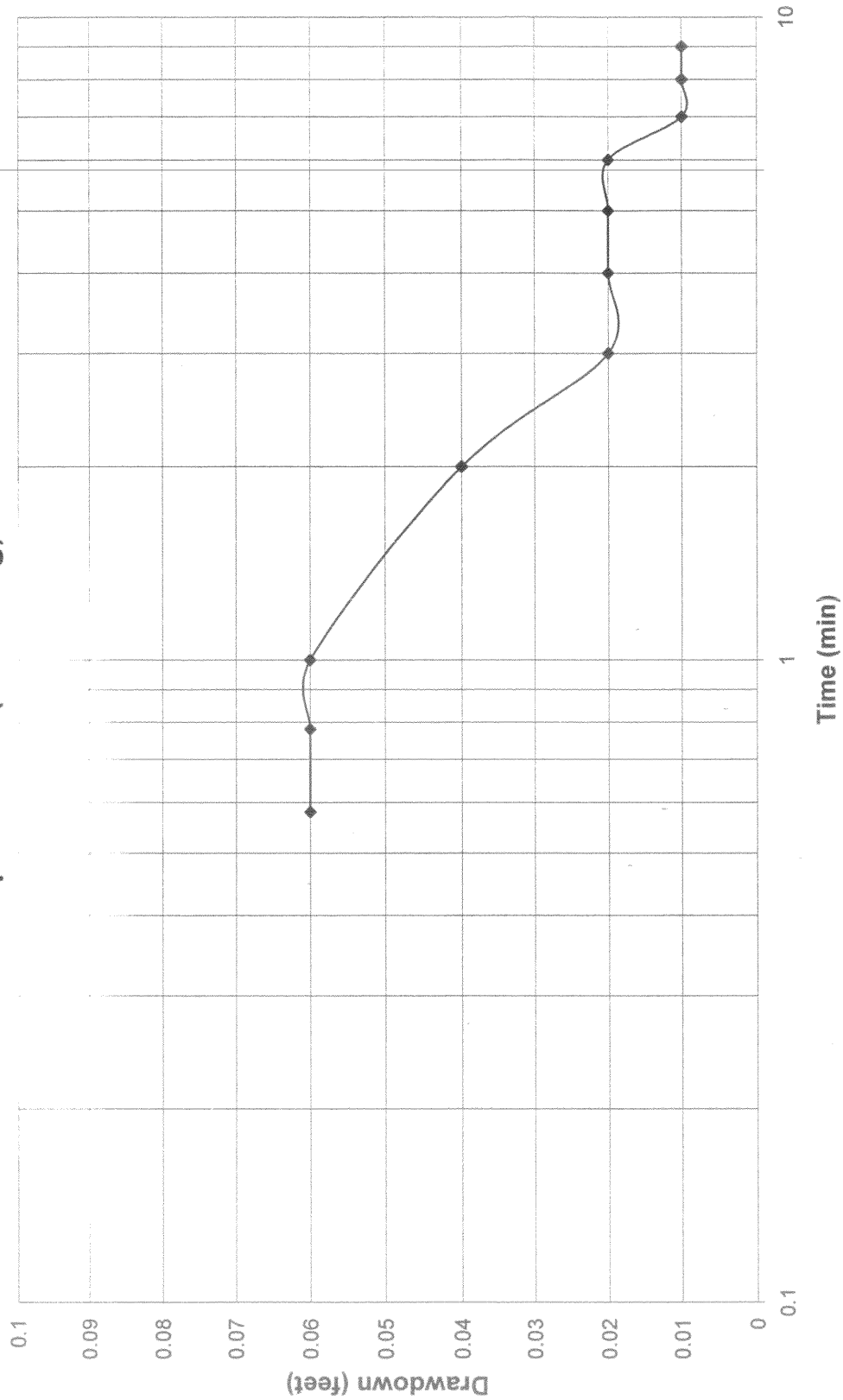
Paul Petrey







# Interval Recovery Test RB-0285 (150 to 160 Feet) Cooper Jacob (Semi-Log) Plot





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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0286
Project No.	142004		
Client	SFWMD	Interval Test	From 40

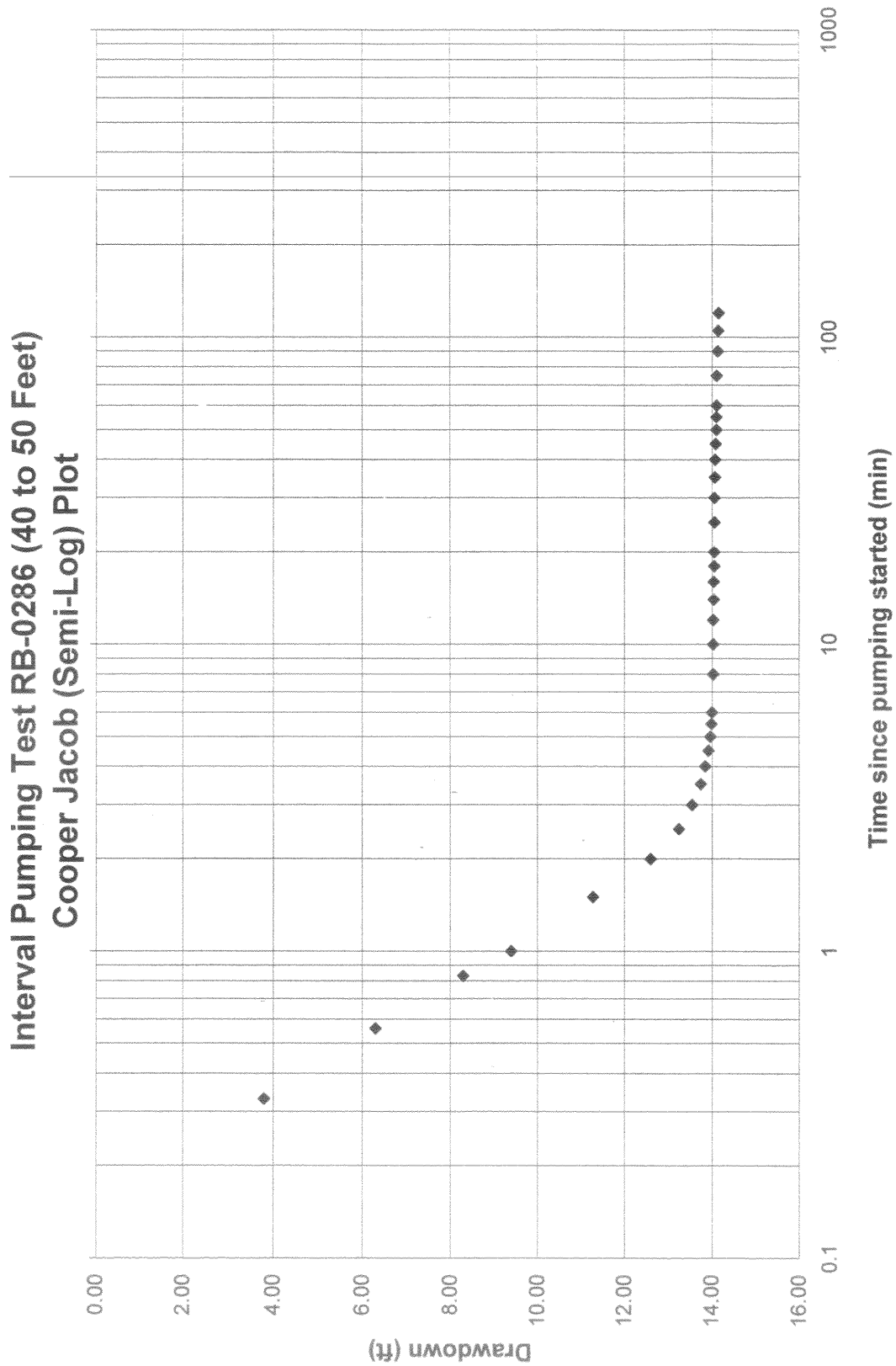
		East		North		Sheet 1 of 2	
Location	Centre of site	Coordinates	768550		764359		
Casing Depth	40	Reference Point	Breakout				
Open Hole Depth	52	After test 52	Height Above Ground Level	5			
Screen Depth	52						
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No
			Capacity	18gpm		Volume Tank	Yes
Static Water Level	8.2		Generator		Water Level	Transducer	No

[illegible]

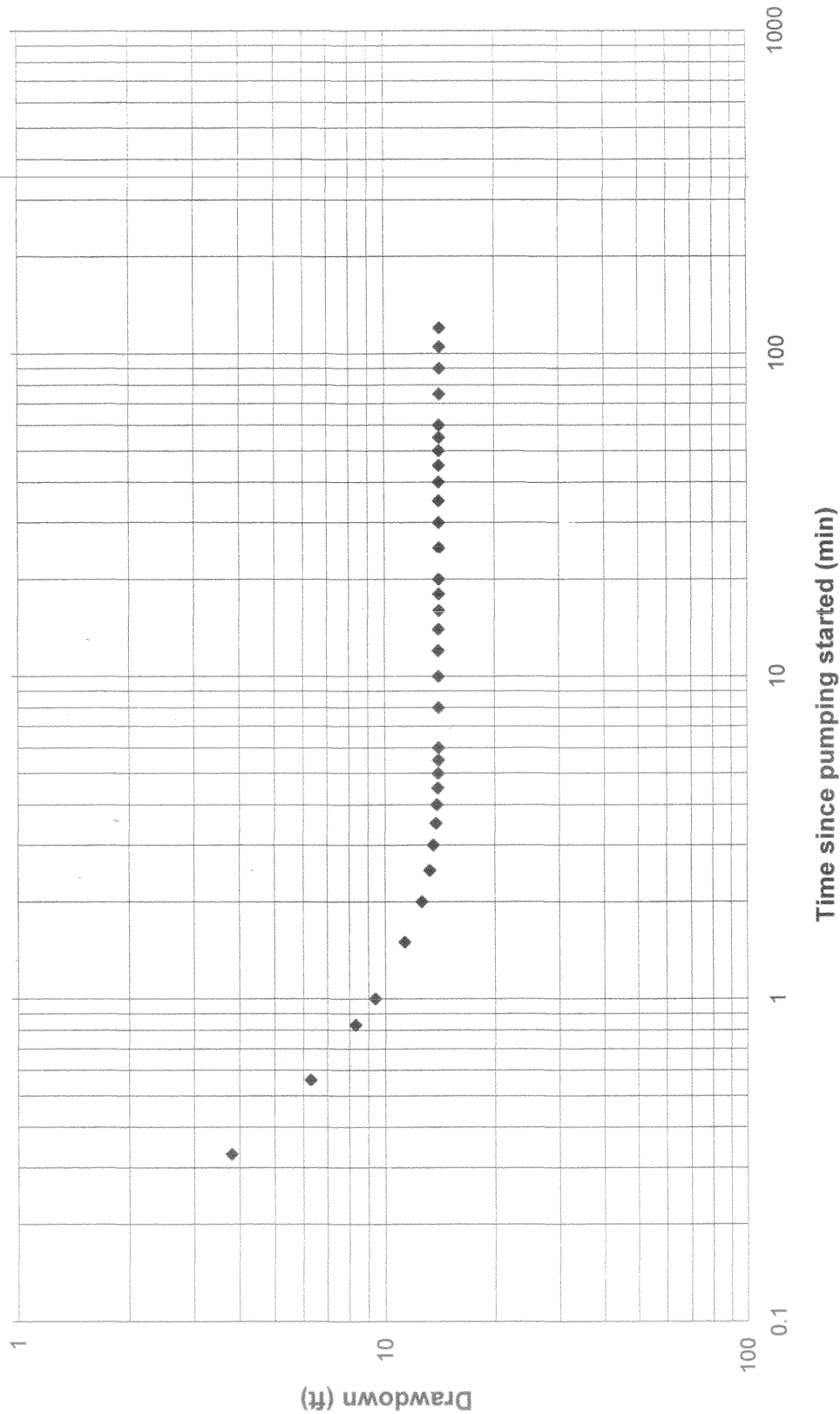


Location		Centre of site	Coordinates		East 768550	North 764359	Sheet 2 of 2	
Casing Depth	40	Reference Point After test 52	Height Above Ground Level	Breakout	5			
Open Hole Depth	52							
Screen Depth	52							
Pump Setting Depth	30	Pump Details		Diameter	3"	Discharge	Flowmeter	No
				Capacity	18gpm		Volume Tank	Yes
Static Water Level	8.2			Generator		Water Level	Transducer	No

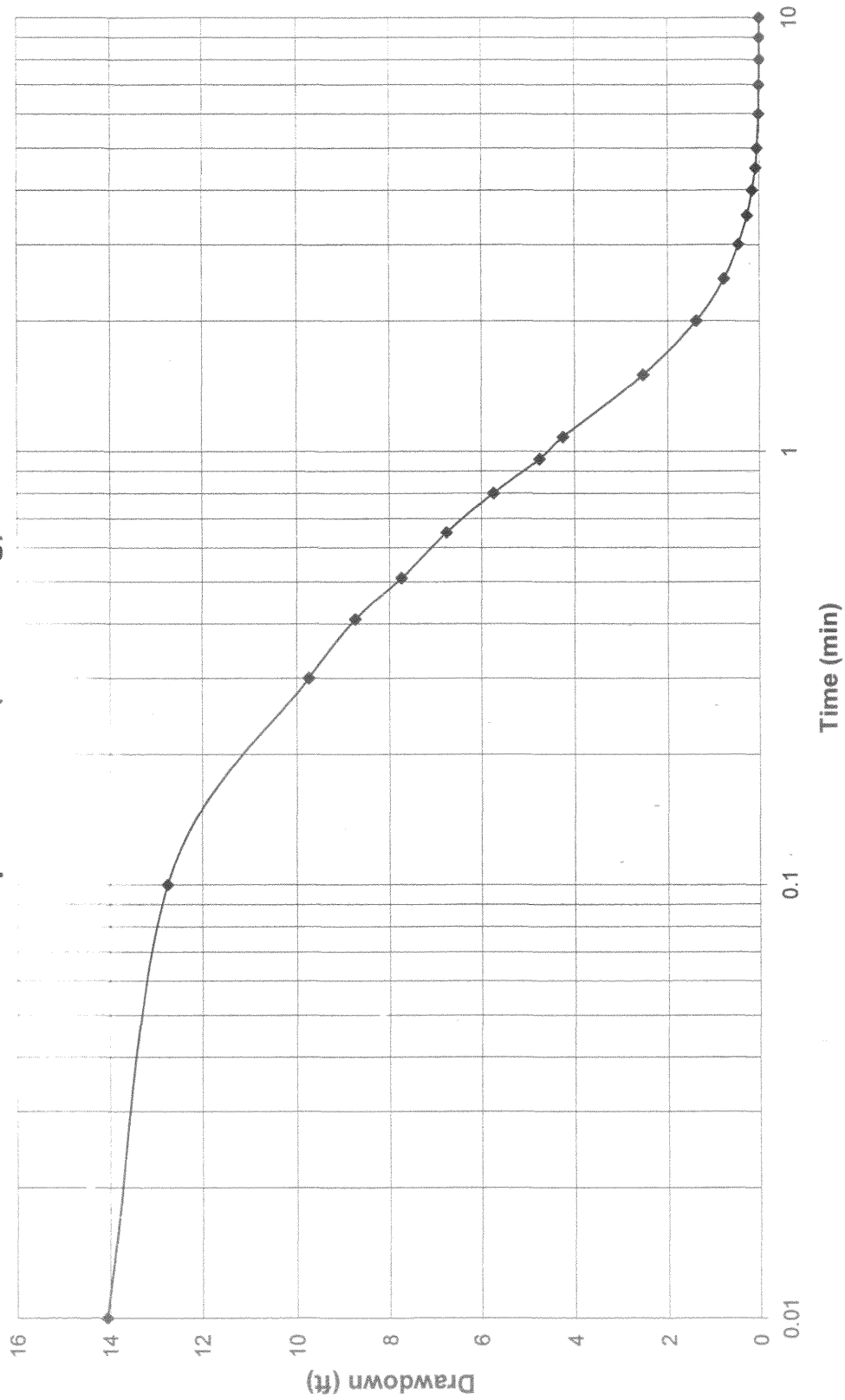
[illegible]



# Interval Pumping Test RB-0286 (40 to 50 Feet) Hantush (Log-Log) Plot



# Interval Recovery Test RB-0286 (40 to 50 Feet) Cooper Jacob (Semi-Log) Plot







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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0286
Project No.	142004		
Client	SFWMD	Interval Test	From 70 To 80

Location		Centre of site	Coordinates		East 768550	North 764359	Sheet 1 of 2	
Casing Depth	70	Reference Point	Breakout					
Open Hole Depth	78.5 After test	Height Above Ground Level	5					
Screen Depth								
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No	
			Capacity	18gpm		Volume Tank	Yes	
Static Water Level	8.3		Generator		Water Level	Transducer	No	

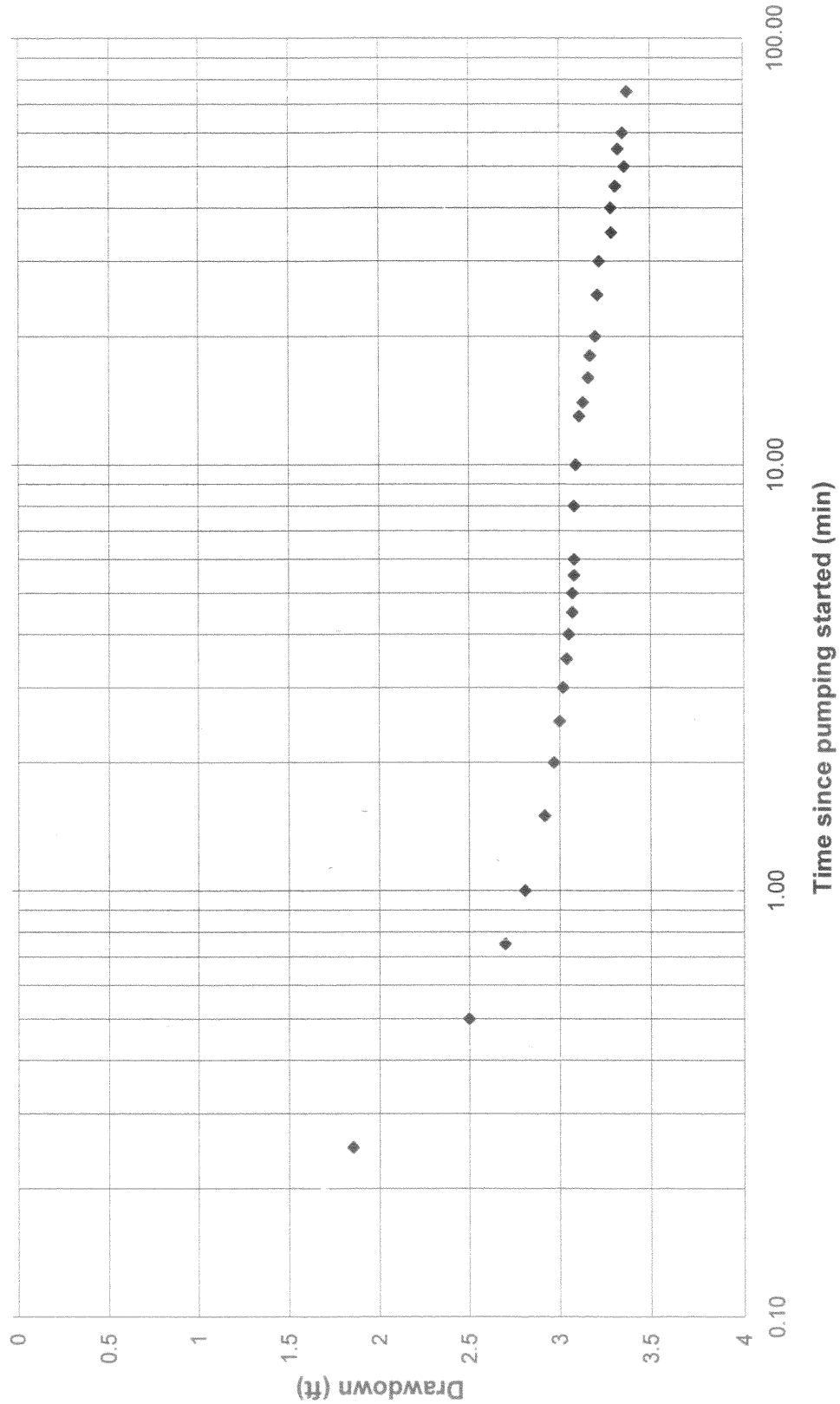
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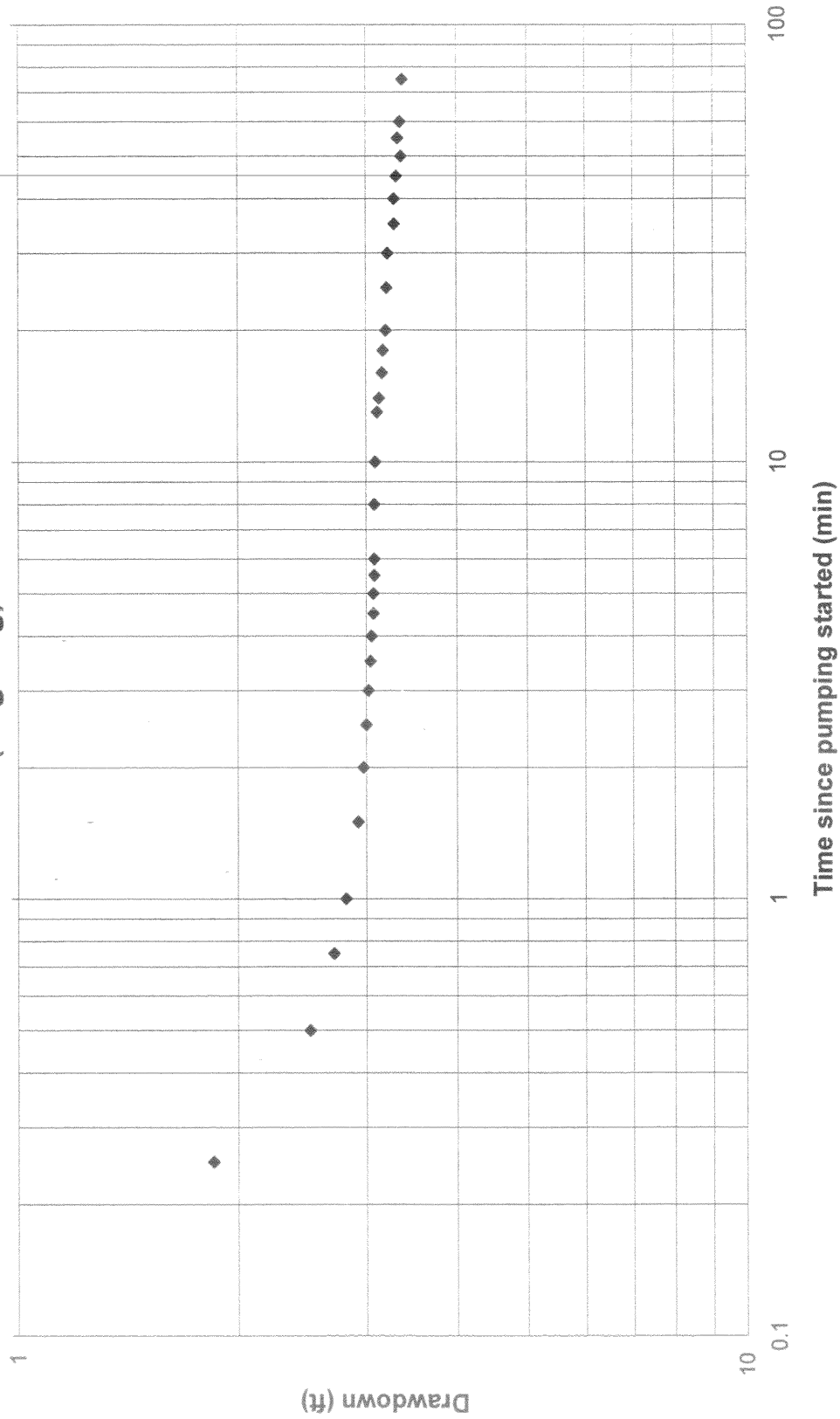
Location		Centre of site	Coordinates	East 768550	North 764359	Sheet 2 of 2	
Casing Depth	70	Reference Point	Breakout				
Open Hole Depth	78.5	After test	Height Above Ground Level	5			
Screen Depth							
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No
			Capacity	18gpm		Volume Tank	Yes
Static Water Level	8.3		Generator		Water Level	Transducer	No

[illegible]

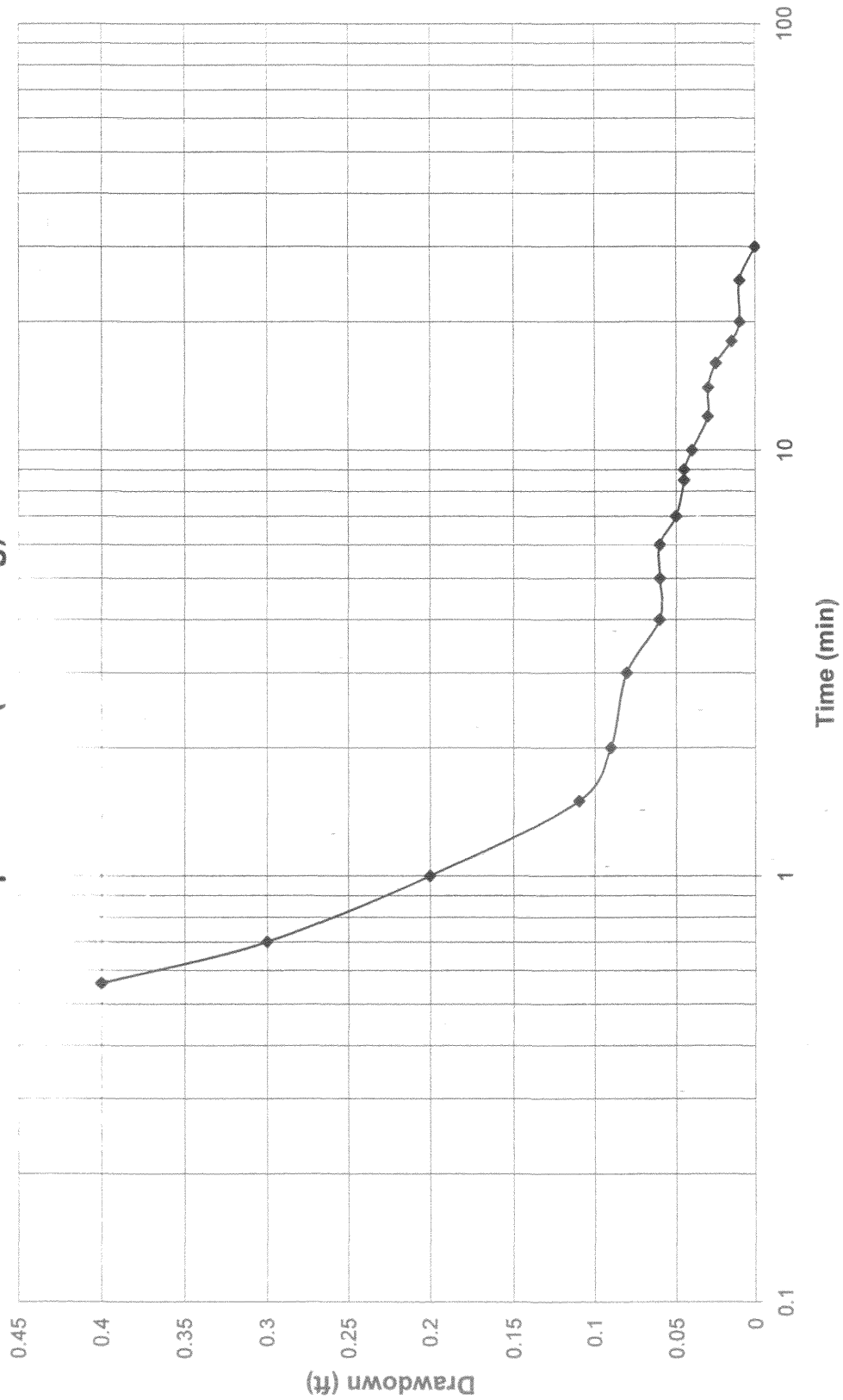
# Interval Pumping Test RB-0286 (70 to 80 Feet) Cooper Jacob (Semi-Log) Plot



**Interval Pumping Test RB-0286 (70 to 80 Feet)  
Hantush (Log-Log) Plot**



# Interval Recovery Test RB-0286 (70 to 80 Feet) Cooper Jacob (Semi-Log) Plot





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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0286
Project No.	142004	Interval Test	From 110
Client	SFWMD		To 120

Location		Centre of site		Coordinates		East 768550		North 764359		Sheet 1 of 2	
Casing Depth	110	Reference Point	Breakout								
Open Hole Depth	120	After test 120	Height Above Ground Level	5							
Screen Depth											
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	18gpm		Volume Tank	Yes				
Static Water Level	8.45		Generator		Water Level	Transducer	No				

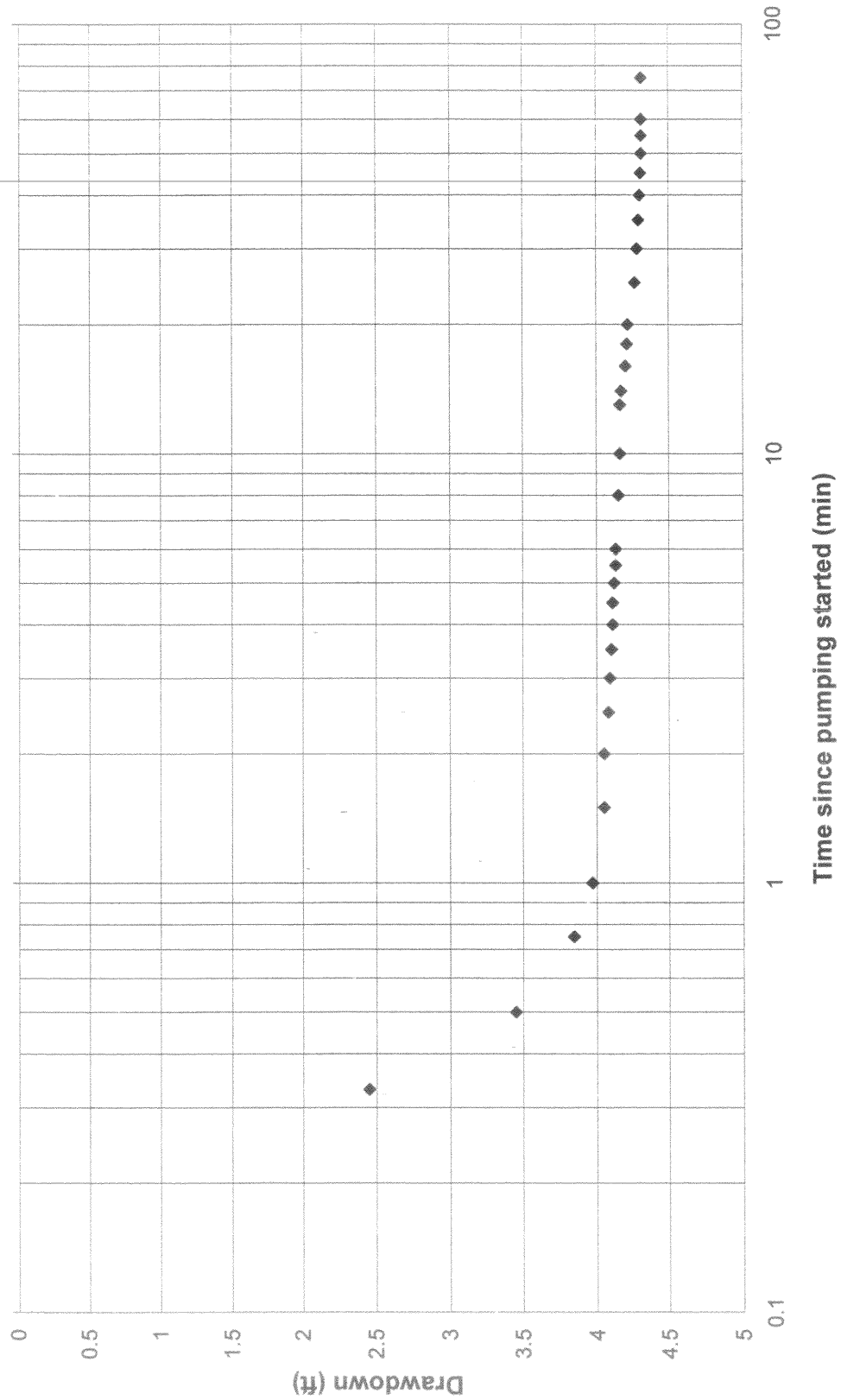
[illegible]



Location		Centre of site	Coordinates	East 768550	North 764359	Sheet 2 of 2	
Casing Depth	110	Reference Point After test 120	Height Above Ground Level	Breakout			
Open Hole Depth	120			5			
Screen Depth							
Pump Setting Depth	30	Pump Details		Diameter 3"	Discharge	Flowmeter	No
				Capacity 18gpm		Volume Tank	Yes
Static Water Level	8.45			Generator	Water Level	Transducer	No

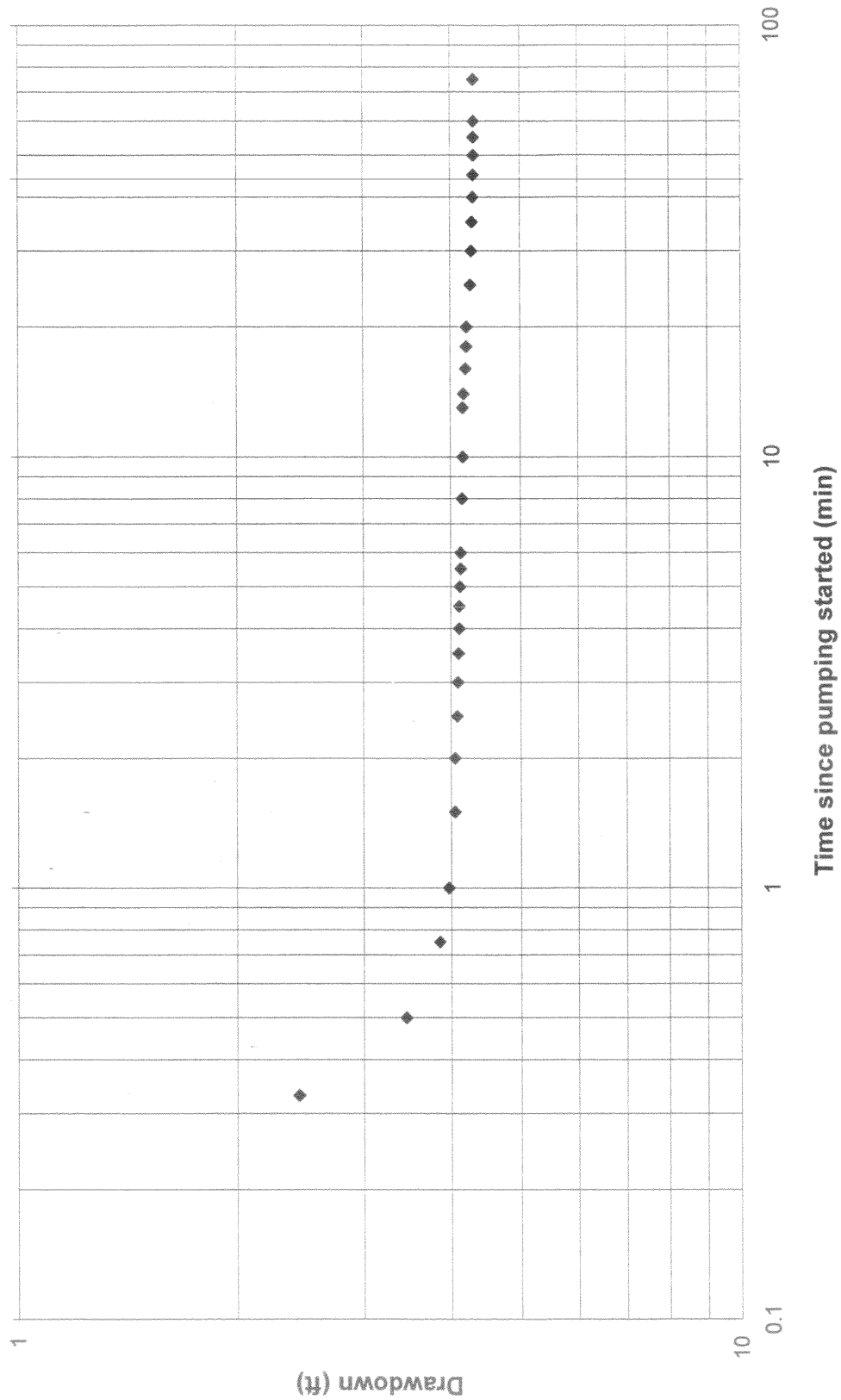
[illegible]

# Interval Pumping Test RB-0286 (110 to 120ft) Cooper Jacob (Semi-Log) Plot

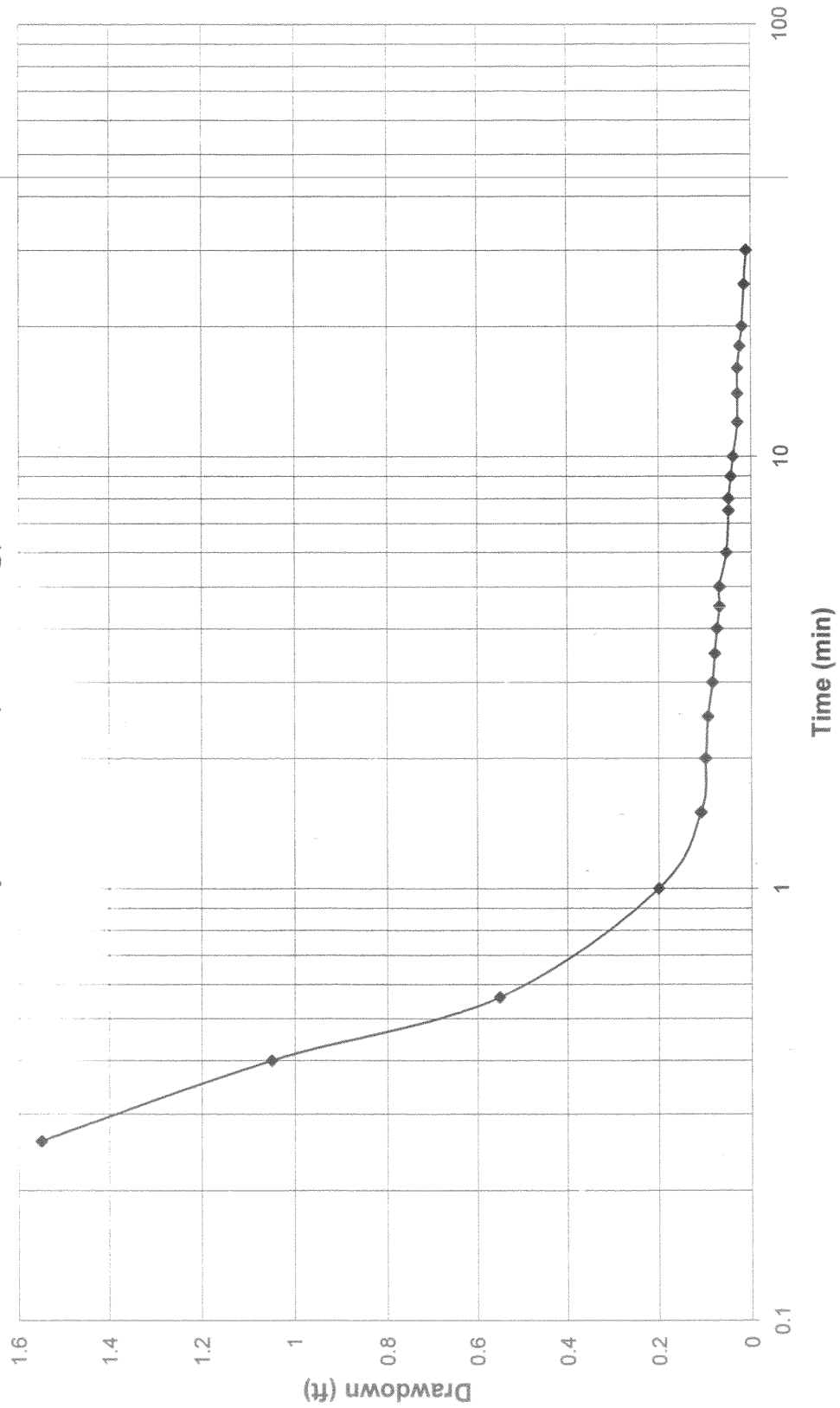




# Interval Pumping Test RB-0286 (110 to 120 Feet) Hantush (Log-Log) Plot



# Interval Recovery Test RB-0286 (110 to 120ft) Cooper Jacob (Semi-Log) Plot





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Project	Everglades AA Reservoir A-1	Pumping Test Well	RB-0286
Project No.	142004	Interval Test	From 150
Client	SFWMD		To 160

Location		Centre of site		Coordinates		East 768550		North 764359		Sheet 1 of 2	
Casing Depth	150	Reference Point	Breakout								
Open Hole Depth	160	After test 160	Height Above Ground Level	5							
Screen Depth											
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No				
			Capacity	18gpm		Volume Tank	Yes				
Static Water Level	8.53		Generator		Water Level	Transducer	No				

[illegible]



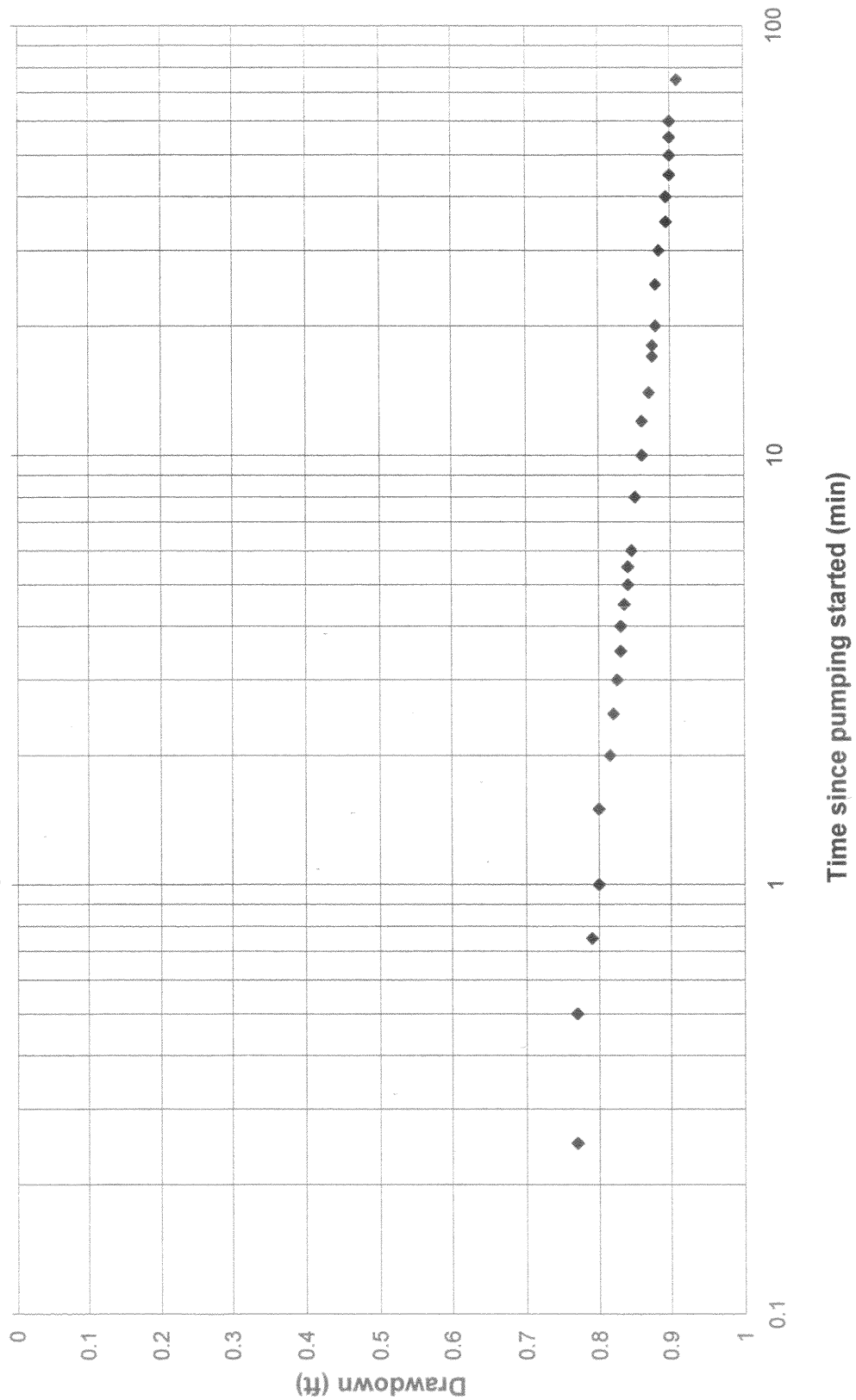
**BLACK & VEATCH**  
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Project		Pumping Test Well	RB-0286
Project No.		Interval Test	From 150
Client			To 160

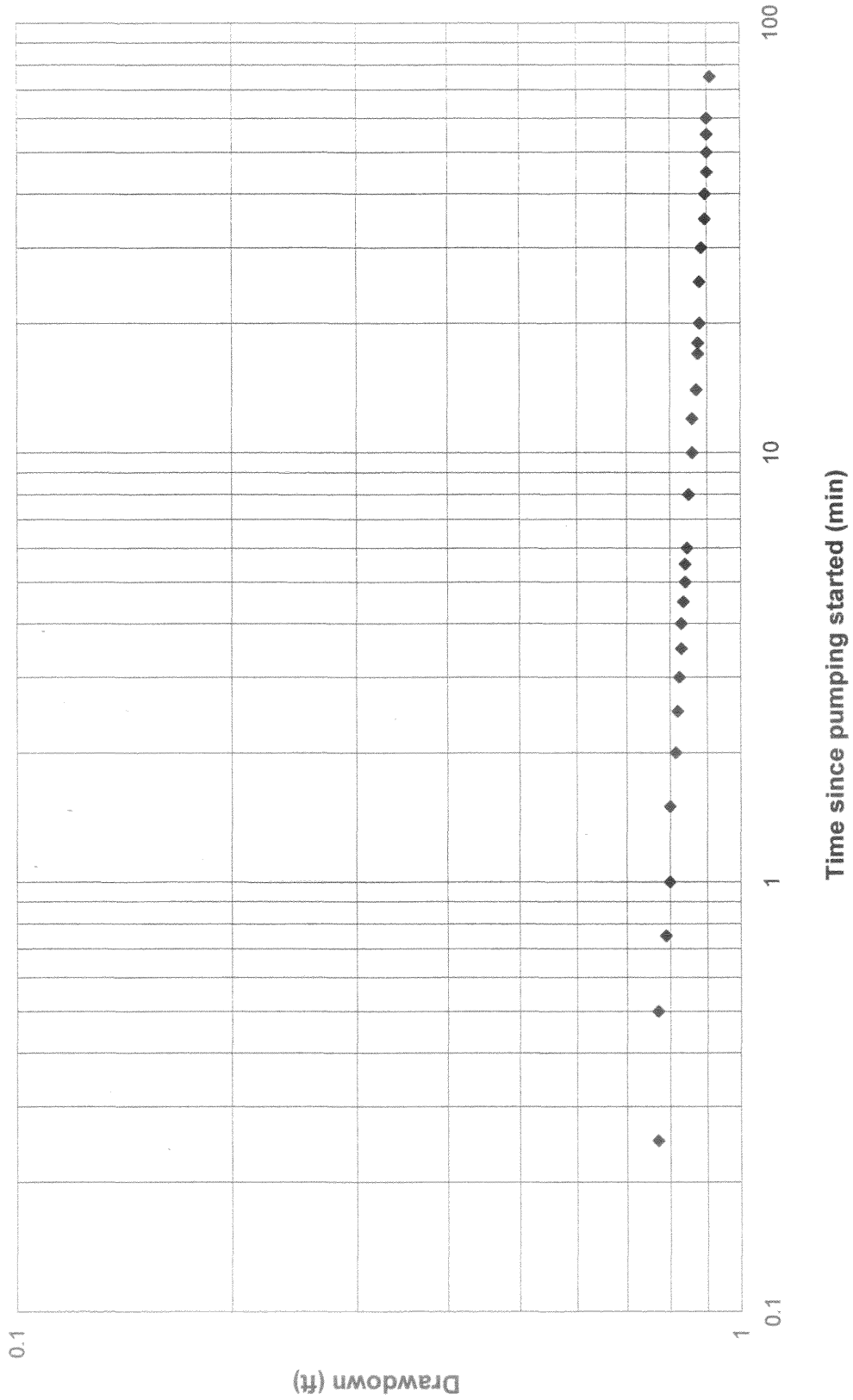
Location		Centre of site	Coordinates		East 768550	North 764359	Sheet 2 of 2	
Casing Depth	150	Reference Point	Breakout					
Open Hole Depth	160	After test 160	Height Above Ground Level	5				
Screen Depth								
Pump Setting Depth	30	Pump Details	Diameter	3"	Discharge	Flowmeter	No	
			Capacity	18gpm		Volume Tank	Yes	
Static Water Level	8.53		Generator		Water Level	Transducer	No	

[illegible]

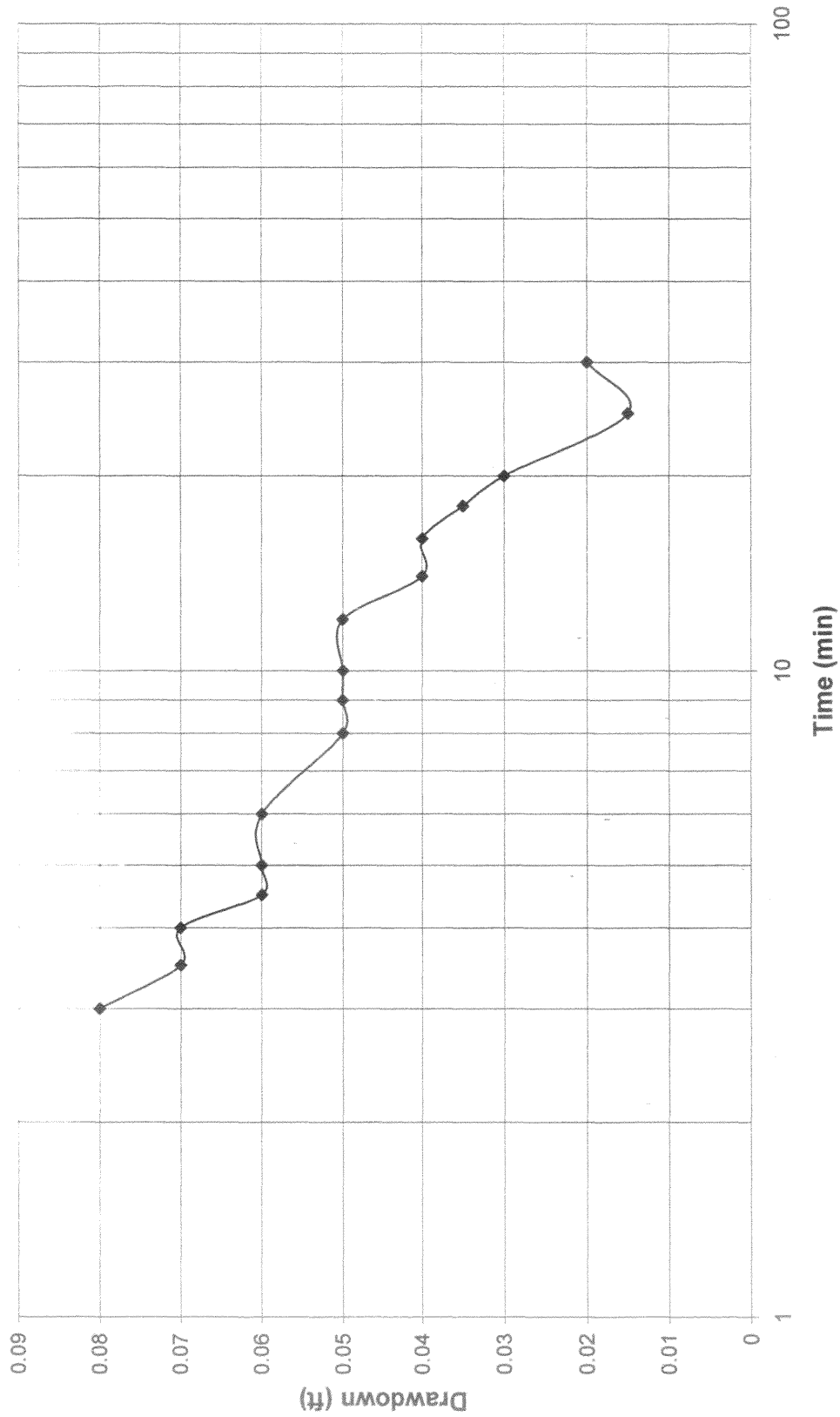
# Interval Pumping Test RB-0286 (150 to 160 Feet) Cooper Jacob (Semi-Log) Plot



# Interval Pumping Test RB-0286 (150 to 160 Feet) Hantush (Log-Log) Plot



# Interval Recovery Test RB-0286 (150 to 160 Feet) Cooper Jacob (Semi-Log) Plot



# **APPENDIX 5**

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# **APPENDIX 5**

## **LABORATORY TEST RESULTS**

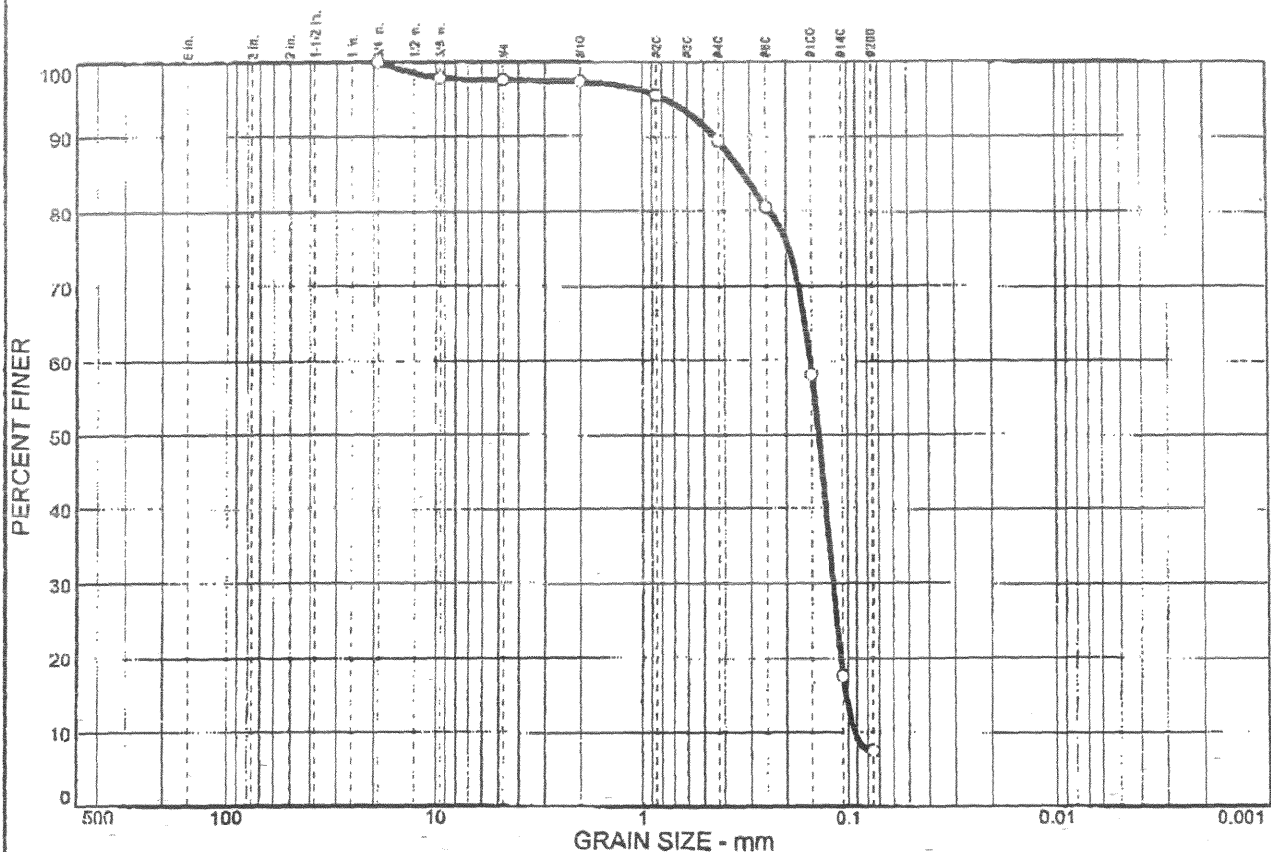
### **GRAIN SIZE ANALYSIS**

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**Note:** The borings at the Test Cell Site and the supplemental borings were assigned temporary identification numbers prior to drilling. These temporary boring numbers are referred to as old boring numbers in the report text. After completion of the test cell and supplemental borings, a block of new boring numbers was received from the USACE Jacksonville District office. Software used for the test results from the summer 2005 borings did not permit the old boring number to be altered. Therefore, the test results for the supplemental borings contain both the old boring number and its corresponding new number. The new boring number was inserted in the remarks column of the test results for the supplemental borings. The laboratory test results for the Test Cell borings contain only the old boring numbers. For ease of reference, the table below shows the old boring numbers for the Test Cell boring and the corresponding new boring number.

Test Cell Borings	
Old Boring Number	New Boring Number
BA-01	CP05-EAARS-CB-0168
BA-02	CP05-EAARS-CB-0169
BA-03	CP05-EAARS-CB-0170
BA-04	CP05-EAARS-CB-0171
BA-05	CP05-EAARS-CB-0172
BA-06	CP05-EAARS-CB-0173
BA-07	CP05-EAARS-CB-0174
BA-08	CP05-EAARS-CB-0175
BA-09	CP05-EAARS-CB-0176
BA-10	CP05-EAARS-CB-0177
TC-01	CP05-EAARS-CB-0178
TC-02	CP05-EAARS-CB-0179
TC-03	CP05-EAARS-CB-0180
TC-04	CP05-EAARS-CB-0181
TC-05	CP05-EAARS-CB-0182
TC-06	CP05-EAARS-CB-0183
TC-07	CP05-EAARS-CB-0184
TC-08	CP05-EAARS-CB-0185
TC-09	CP05-EAARS-CB-0186
TC-10	CP05-EAARS-CB-0187
TC1-E	CP05-EAARS-CB-0188
TC1-N	CP05-EAARS-CB-0189
TC1-W	CP05-EAARS-CB-0190
TC1-S	CP05-EAARS-CB-0191
TC2-E	CP05-EAARS-CB-0192
TC2-N	CP05-EAARS-CB-0193
TC2-W	CP05-EAARS-CB-0194
TC2-S	CP05-EAARS-CB-0195

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	2.4	0.2	8.0	81.9	7.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	97.9		
#4	97.6		
#10	97.4		
#20	95.5		
#40	89.4		
#60	80.6		
#100	58.1		
#140	17.5		
#200	7.5		

(no specification provided)

## Soil Description

PL=

### Atterberg Limits

LL=

PI=

D<sub>85</sub>= 0.324

### Coefficients

D<sub>60</sub>= 0.153D<sub>50</sub>= 0.140D<sub>30</sub>= 0.119D<sub>15</sub>= 0.103D<sub>10</sub>= 0.0926C<sub>u</sub>= 1.65C<sub>c</sub>= 1.01

### Classification

USCS=

AASHTO=

### Remarks

Sample No.: B234

Source of Sample:

Date:

Location: BA-01

Elev./Depth: 48.5-50.0'

NODARSE &amp; ASSOCIATES, INC.

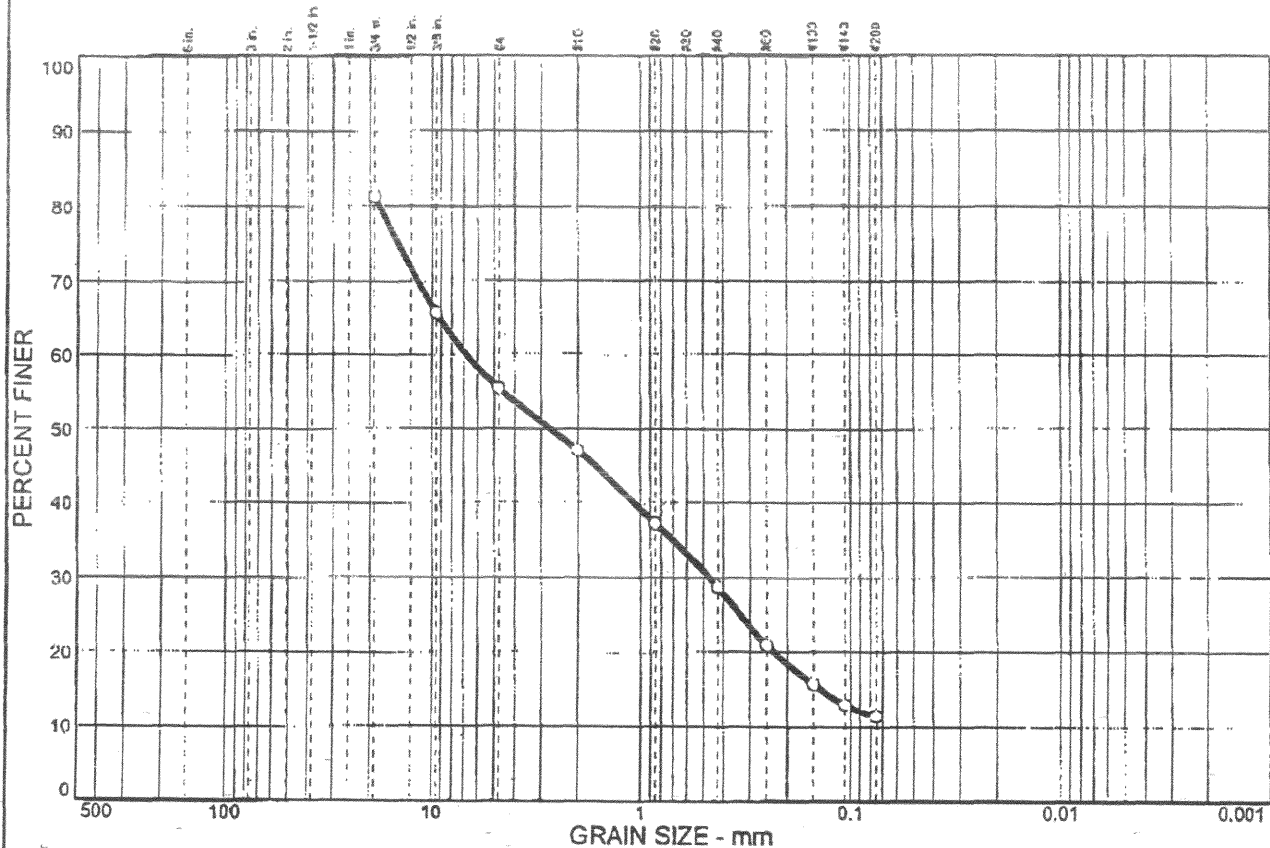
Client:

Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
		25.9	8.3	18.4	17.3	11.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	81.3		
3/8 in.	65.6		
#4	55.4		
#10	47.1		
#20	37.3		
#40	28.7		
#60	20.9		
#100	15.7		
#140	12.9		
#200	11.4		

(no specification provided)

### Soil Description

<u>Atterberg Limits</u>		
PL=	LL=	PI=
<u>Coefficients</u>		
D <sub>85</sub> =	D <sub>60</sub> = 6.82	D <sub>50</sub> = 2.72
D <sub>30</sub> = 0.466	D <sub>15</sub> = 0.139	D <sub>10</sub> =
C <sub>u</sub> =	C <sub>c</sub> =	
<u>Classification</u>		
USCS=	AASHTO=	
<u>Remarks</u>		

Sample No.: B801  
Location: BA-02

**Source of Sample:**

Date: \_\_\_\_\_  
Elev./Depth: 18.5-20.0'

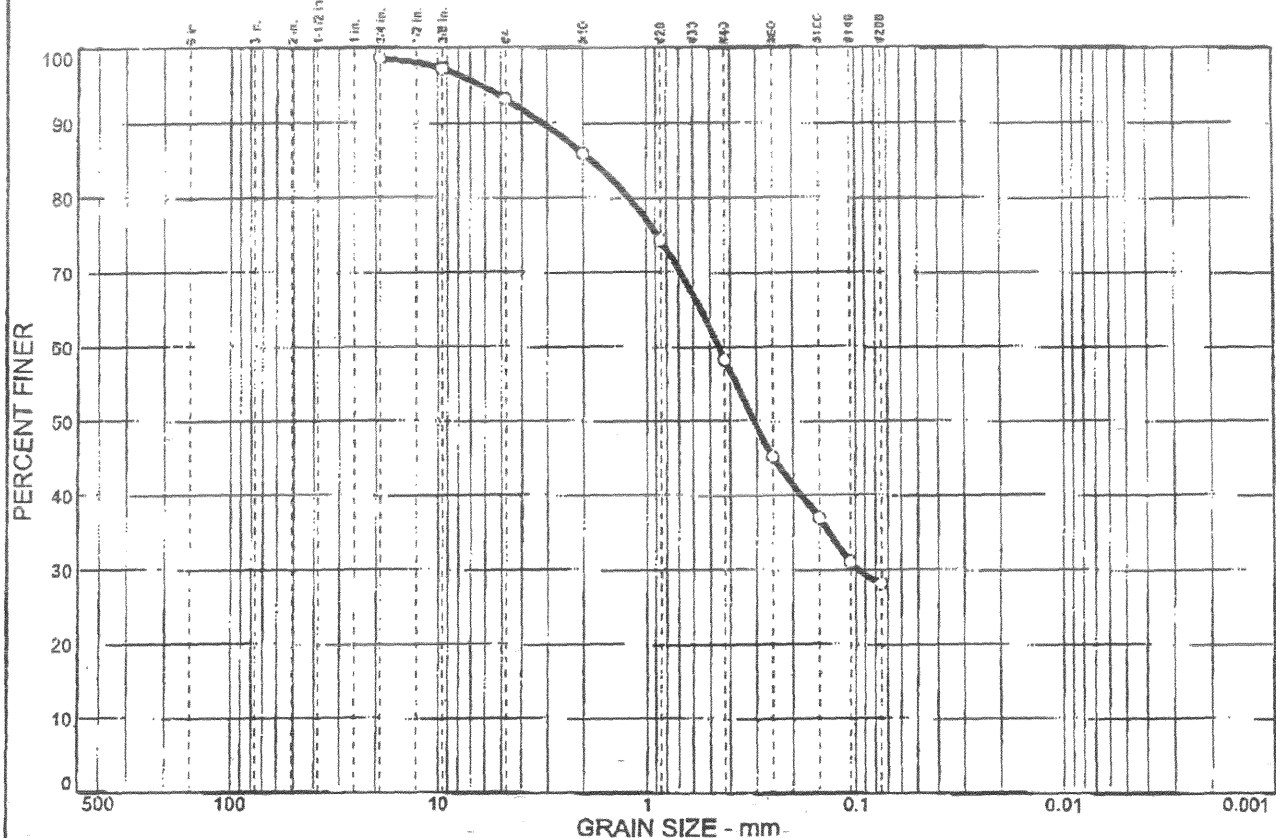
**NODARSE & ASSOCIATES, INC.**

**Client:**  
**Project:** EAA

Project No: W04-G-487

## Plate

## Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
		5.5	7.2	27.6	30.2	28.1	

SIEVE SIZE	PERCENT FINER	SPEC. PERCENT	PASS? (X=NO)
3/4 in.	98.6		
3/8 in.	97.2		
#4	93.1		
#10	85.9		
#20	74.3		
#40	58.3		
#60	45.2		
#100	36.9		
#140	31.0		
#200	28.1		

(no specification provided)

### Soil Description

**Atterberg Limits**  
 PL=      LL=      PI=

**Coefficients**  
 D<sub>85</sub>= 1.83      D<sub>60</sub>= 0.454      D<sub>50</sub>= 0.309  
 D<sub>30</sub>= 0.0972      D<sub>15</sub>=      D<sub>10</sub>=  
 C<sub>u</sub>=      C<sub>c</sub>=

**Classification**  
 USCS=      AASHTO=

**Remarks**

Sample No.: 13280  
Location: BA-03

Source of Sample:

Date:  
Elev./Depth: 13.5-15.0'

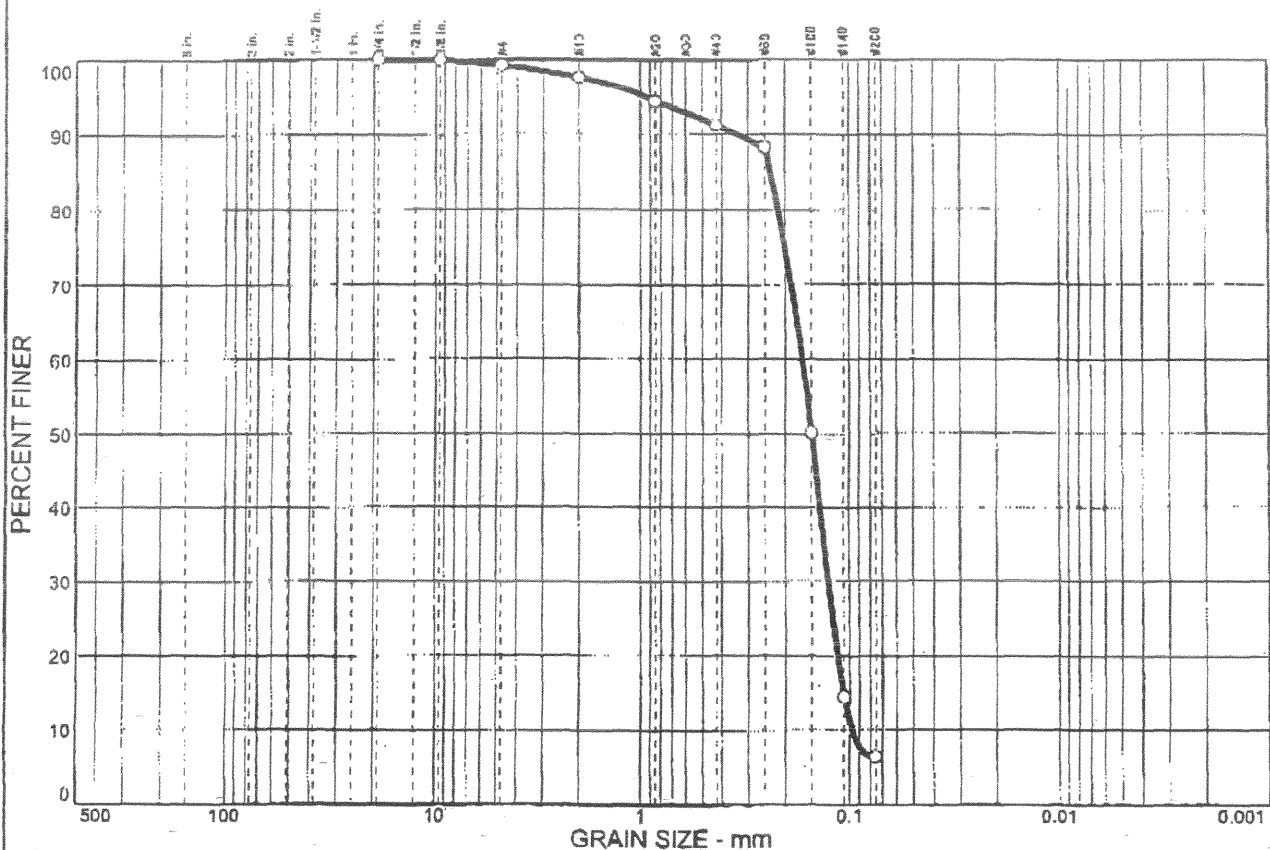
NODARSE &amp; ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.7	1.6	6.4	84.9	6.4	

SIEVE SIZE	PERCENT FINER	SPEC. PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	100.0		
#4	99.3		
#10	97.7		
#20	94.5		
#40	91.3		
#60	88.3		
#100	50.1		
#140	14.5		
#200	6.4		

(no specification provided)

## Soil Description

PL= Atterberg Limits LL= PI=

Coefficients  
 D<sub>85</sub>= 0.237 D<sub>60</sub>= 0.166 D<sub>50</sub>= 0.150  
 D<sub>30</sub>= 0.125 D<sub>15</sub>= 0.107 D<sub>10</sub>= 0.0973  
 C<sub>u</sub>= 1.71 C<sub>c</sub>= 0.97

Classification  
 USCS= AASHTO=

Remarks

Sample No.: D262  
 Location: BA-04

Source of Sample:

Date:  
 Elev./Depth: 48.5-50.0'

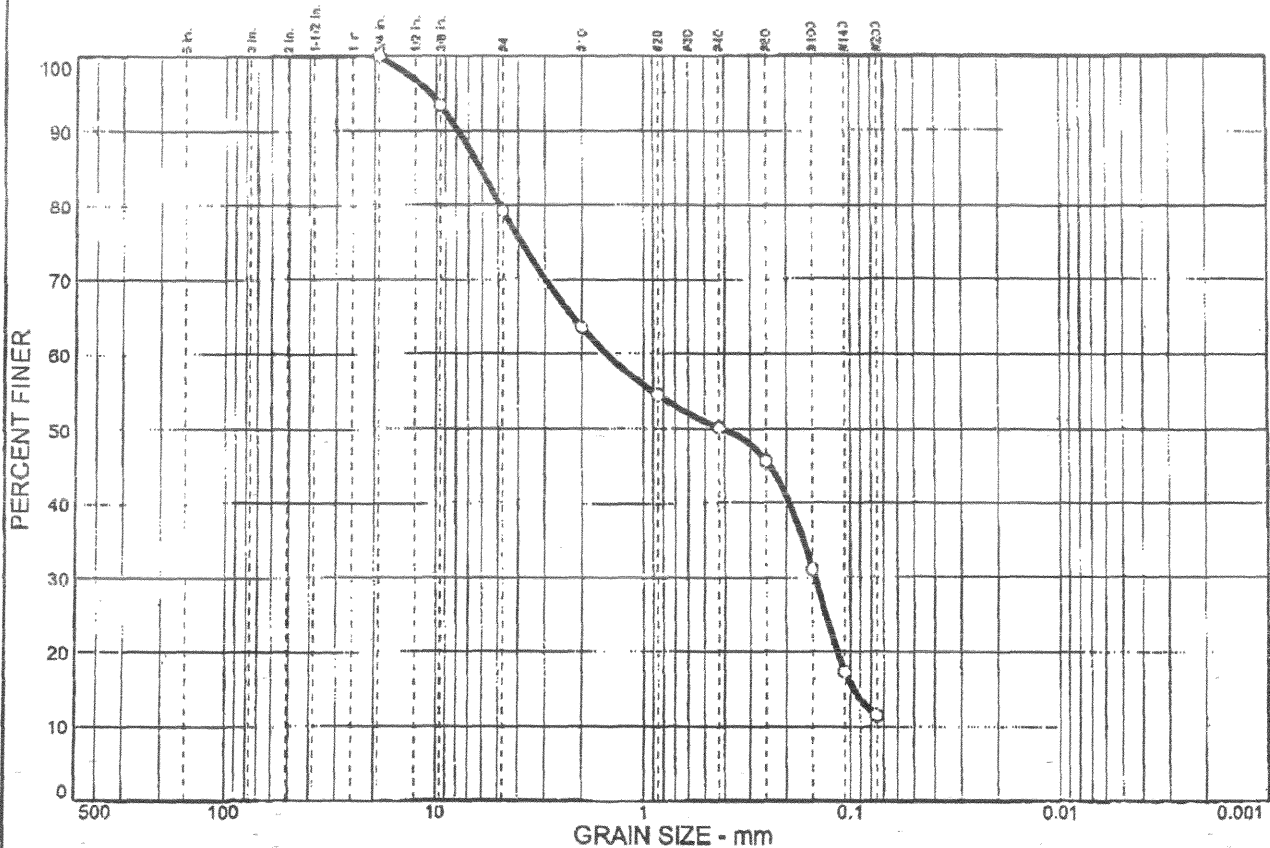
NODARSE & ASSOCIATES, INC.

Client:  
 Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	20.8	15.7	13.3	38.8	11.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	93.4		
#4	79.2		
#10	63.5		
#20	54.6		
#40	50.2		
#60	45.7		
#100	31.1		
#140	17.2		
#200	11.4		

\* (no specification provided)

## Soil Description

PL=

## Atterberg Limits

LL=

PI=

D<sub>85</sub>= 6.18  
D<sub>30</sub>= 0.146  
C<sub>u</sub>=

## Coefficients

D<sub>60</sub>= 1.52  
D<sub>15</sub>= 0.0972  
C<sub>c</sub>=

D<sub>50</sub>= 0.408  
D<sub>10</sub>=

USCS=

## Classification

AASHTO=

## Remarks

Sample No.: BCBR  
Location: BA-05

Source of Sample:

Date:  
Elev./Depth: 28.5-30.0'

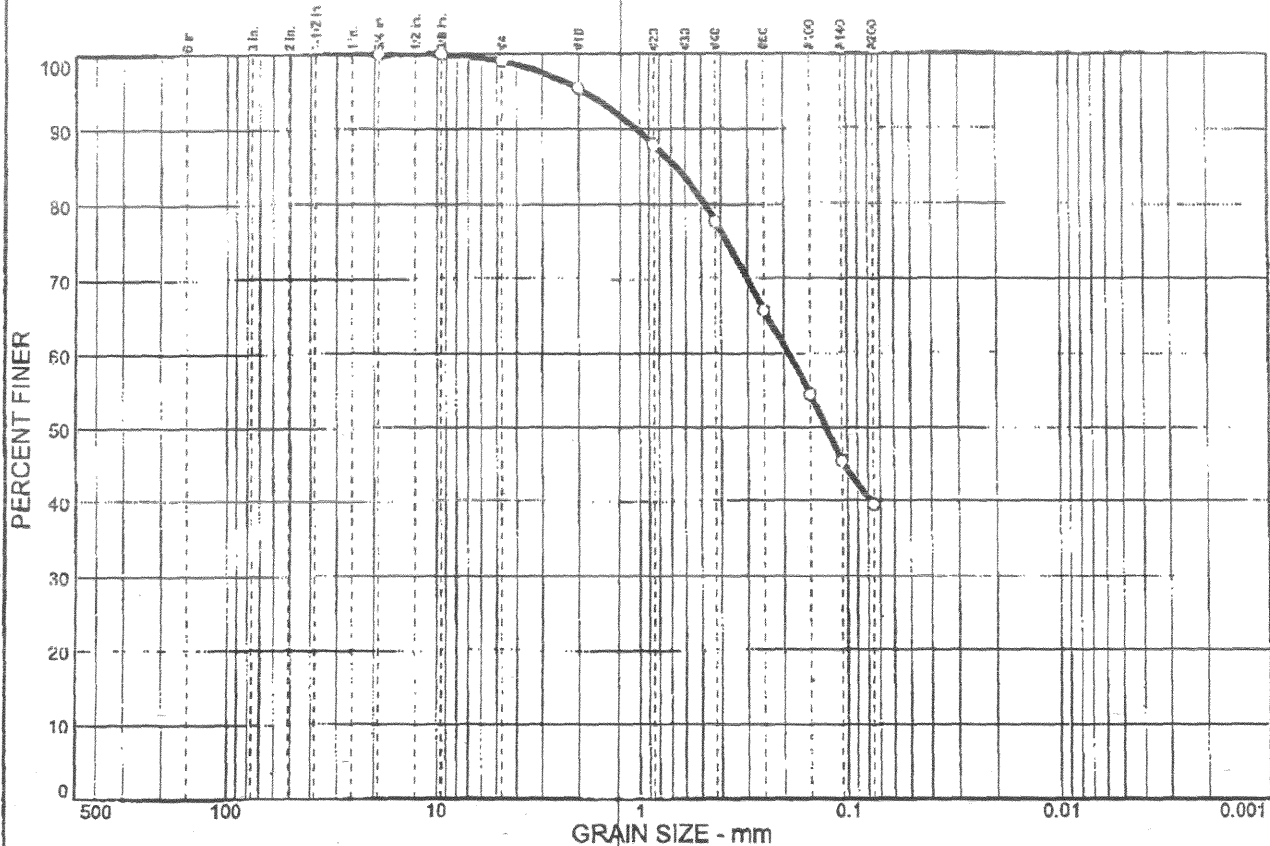
NODARSE & ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.9	3.7	17.8	38.1	39.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	100.0		
#4	99.1		
#10	95.4		
#20	87.9		
#40	77.6		
#60	65.7		
#100	54.4		
#140	45.4		
#200	39.5		

(no specification provided)

Sample No.: B237  
Location: BA-06

Source of Sample:

Date:  
Elev./Depth: 13.5-15.0'

NODARSE & ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

## Soil Description

PL= Atterberg Limits LL= PI=

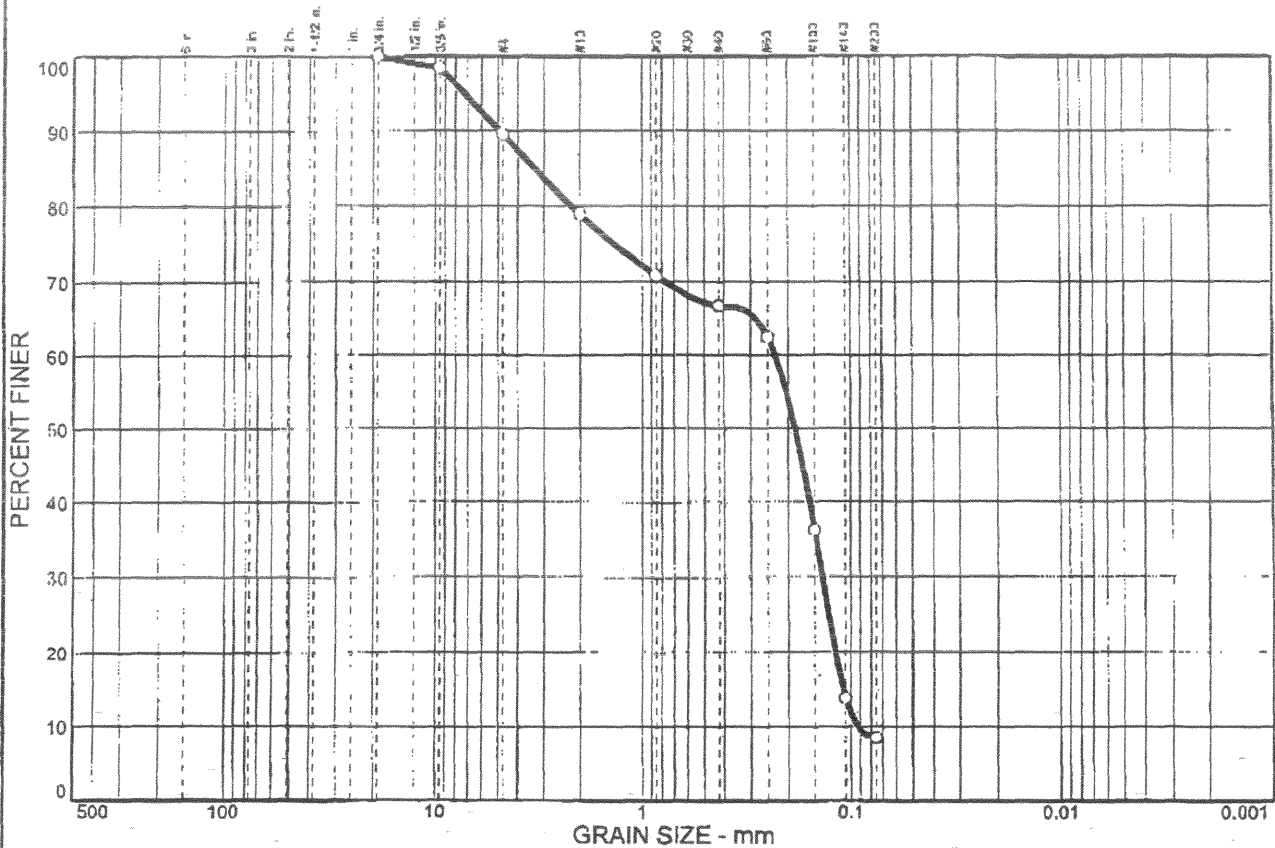
Coefficients  
D<sub>85</sub>= 0.669 D<sub>60</sub>= 0.191 D<sub>50</sub>= 0.127  
D<sub>30</sub>= D<sub>15</sub>= D<sub>10</sub>=  
C<sub>u</sub>= C<sub>c</sub>=

Classification  
USCS= AASHTO=

Remarks



# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	10.4	10.7	12.2	58.3	8.4	

SIEVE SIZE	PERCENT FINER	SPEC. PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	98.5		
#4	89.6		
#10	78.9		
#20	70.8		
#40	66.7		
#60	62.4		
#100	36.3		
#140	13.8		
#200	8.4		

(no specification provided)

## Soil Description

PL=

## Atterberg Limits

LL=

PI=

D<sub>85</sub>= 3.32  
D<sub>30</sub>= 0.138  
C<sub>u</sub>= 2.49

## Coefficients

D<sub>60</sub>= 0.231  
D<sub>15</sub>= 0.109  
C<sub>c</sub>= 0.88

D<sub>50</sub>= 0.186  
D<sub>10</sub>= 0.0929

## Classification

USCS=

AASHTO=

## Remarks

Sample No.: B259  
Location: BA-07

Source of Sample:

Date:  
Elev./Depth: 43.5-45.0'

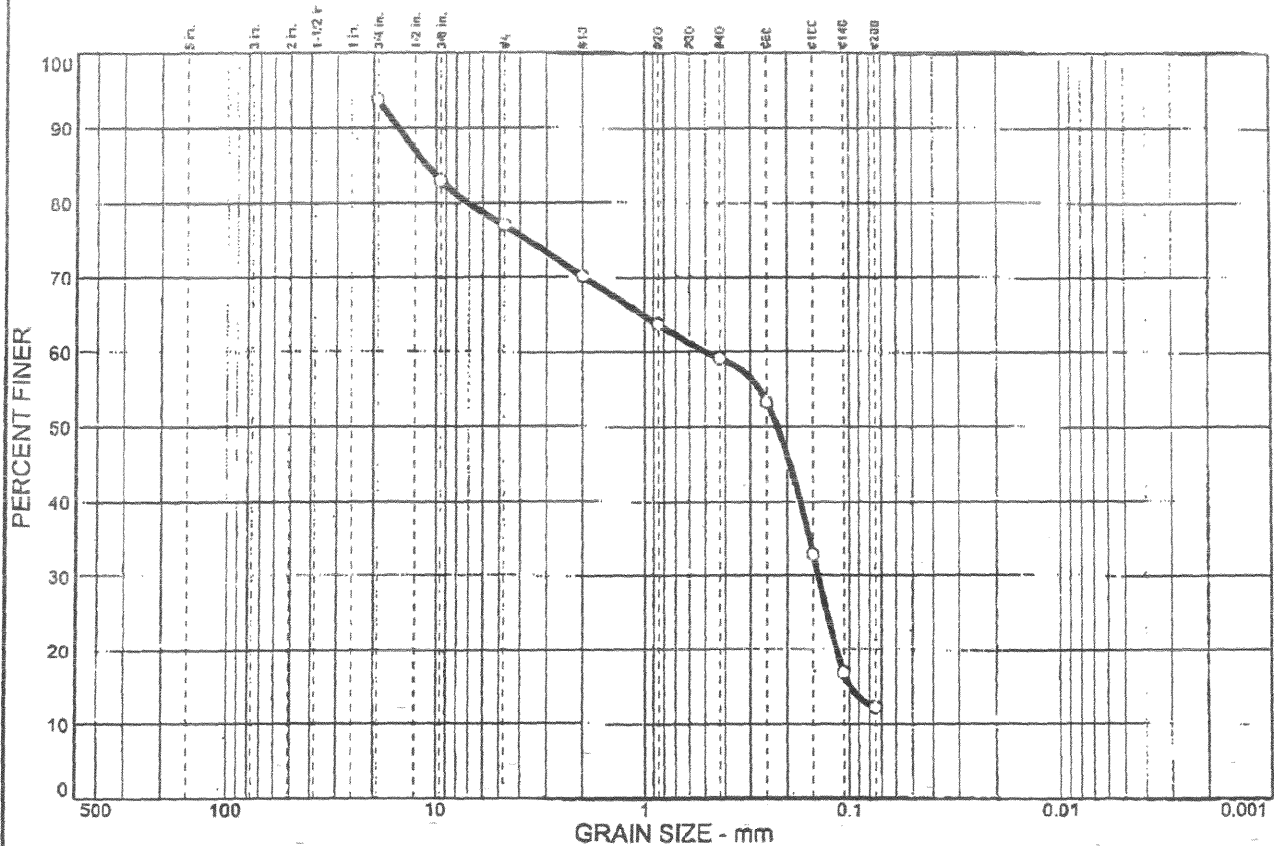
NODARSE &amp; ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
		16.9	6.9	11.0	46.9	12.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	93.9		
3/8 in.	83.0		
#4	77.0		
#10	70.1		
#20	63.6		
#40	59.1		
#60	53.2		
#100	32.9		
#140	16.9		
#200	12.2		

(no specification provided)

## Soil Description

PL=      Atterberg Limits      PI=      LL=      Coefficients  
 D<sub>85</sub>= 11.1      D<sub>60</sub>= 0.499      D<sub>50</sub>= 0.223  
 D<sub>30</sub>= 0.142      D<sub>15</sub>= 0.0984      D<sub>10</sub>=  
 C<sub>u</sub>=      C<sub>c</sub>=  
 USCS=      Classification      AASHTO=  
                                  Remarks

Sample No.: B300  
Location: BA-08

Source of Sample:

Date:  
Elev./Depth: 28.5-30.0'

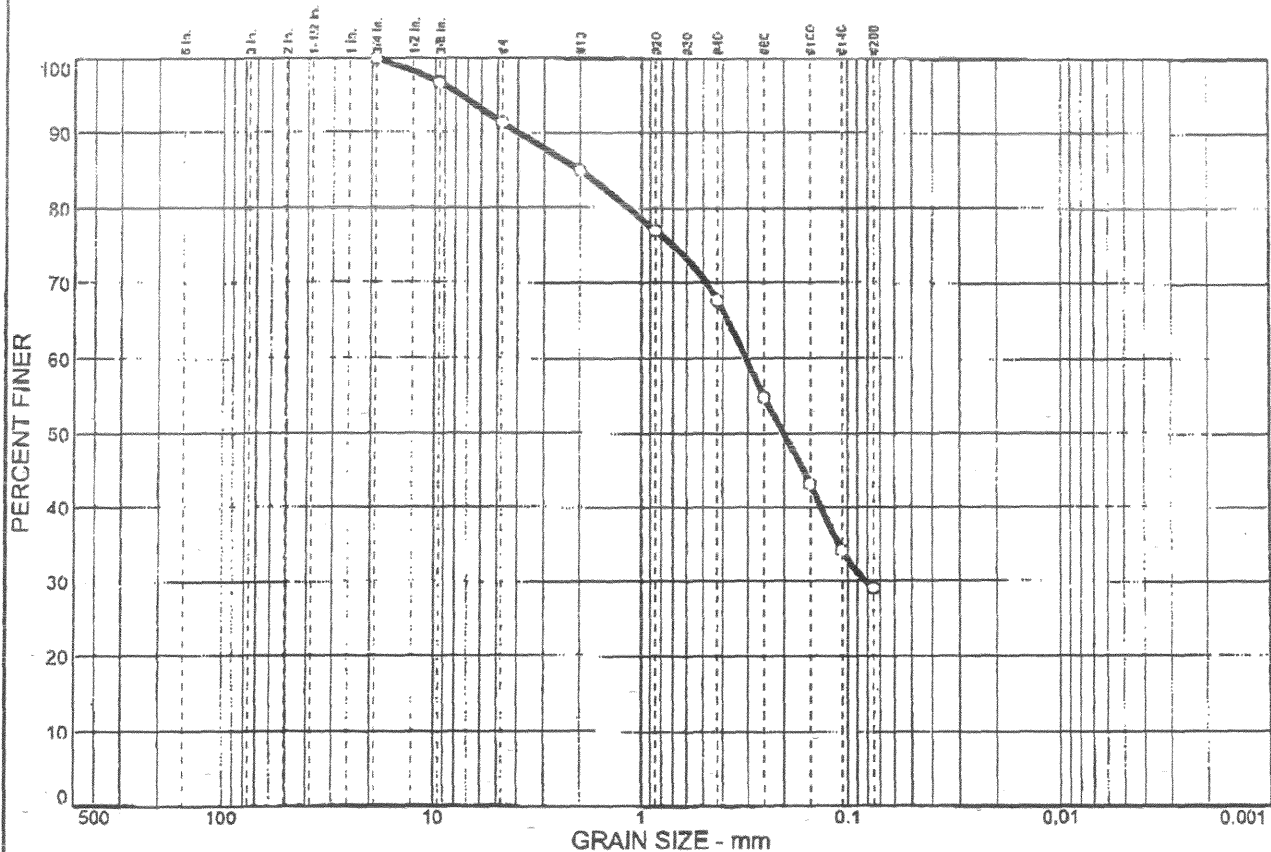
NODARSE &amp; ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	8.7	6.4	17.3	38.6	29.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	96.7		
#4	91.3		
#10	84.9		
#20	76.9		
#40	67.6		
#60	54.8		
#100	43.1		
#140	34.1		
#200	29.0		

(no specification provided)

## Soil Description

**Atterberg Limits**  
 PL=      LL=      PI=

**Coefficients**  
 D<sub>85</sub>= 2.02      D<sub>60</sub>= 0.308      D<sub>50</sub>= 0.202  
 D<sub>30</sub>= 0.0817      D<sub>15</sub>=      D<sub>10</sub>=  
 C<sub>u</sub>=      C<sub>c</sub>=

**Classification**  
 USCS=      AASHTO=

**Remarks**

Sample No.: B305  
 Location: BA-09

Source of Sample:

Date:  
 Elev./Depth: 13.5-15.0'

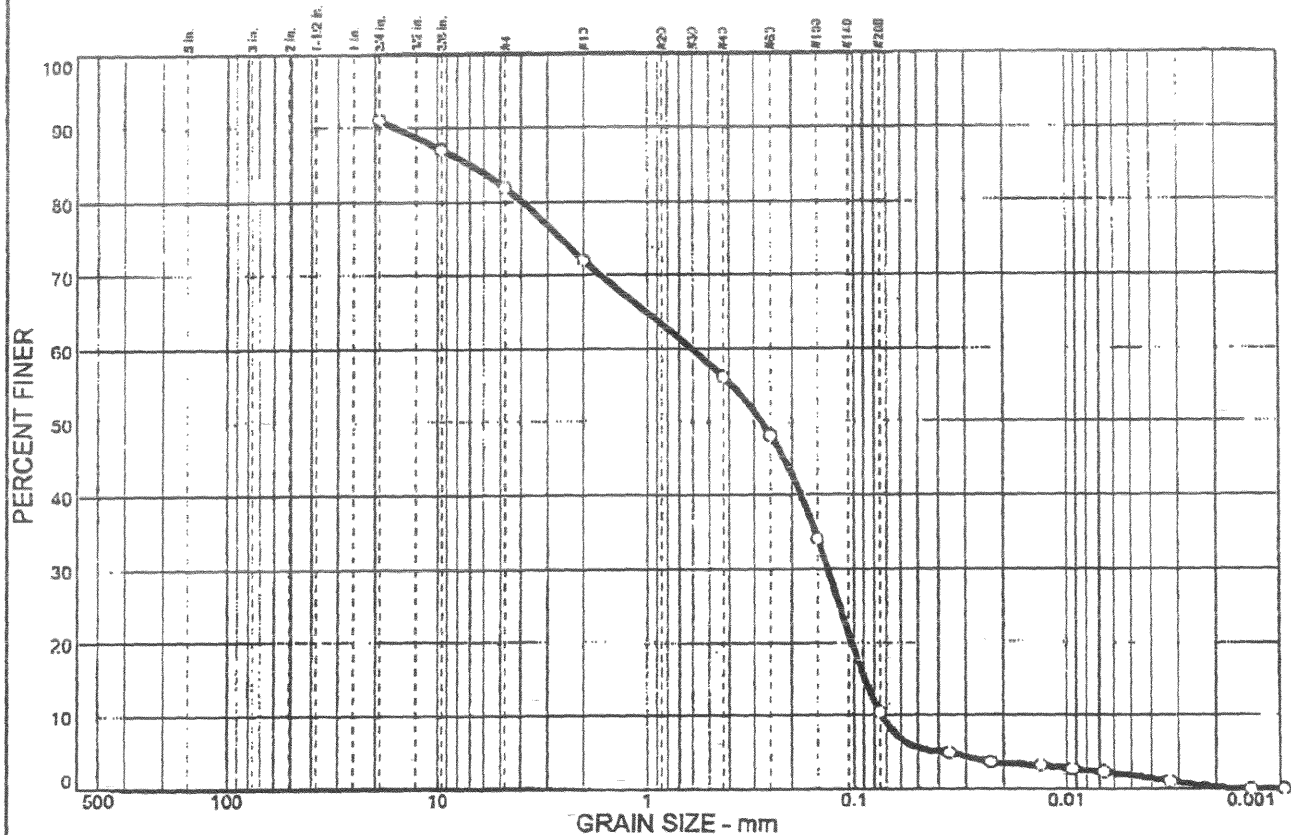
NODARSE & ASSOCIATES, INC.

Client:  
 Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
		9.2	9.9	15.9	45.7	8.5	1.9

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	91.1		
3/8 in.	87.0		
#4	81.9		
#10	72.0		
#40	56.1		
#60	48.1		
#100	34.1		
#200	10.4		

(no specification provided)

Sample No.: T  
Location: TC-1-11

Source of Sample:

Date:  
Elev./Depth: 48.5'

NODARSE &amp; ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

## Soil Description

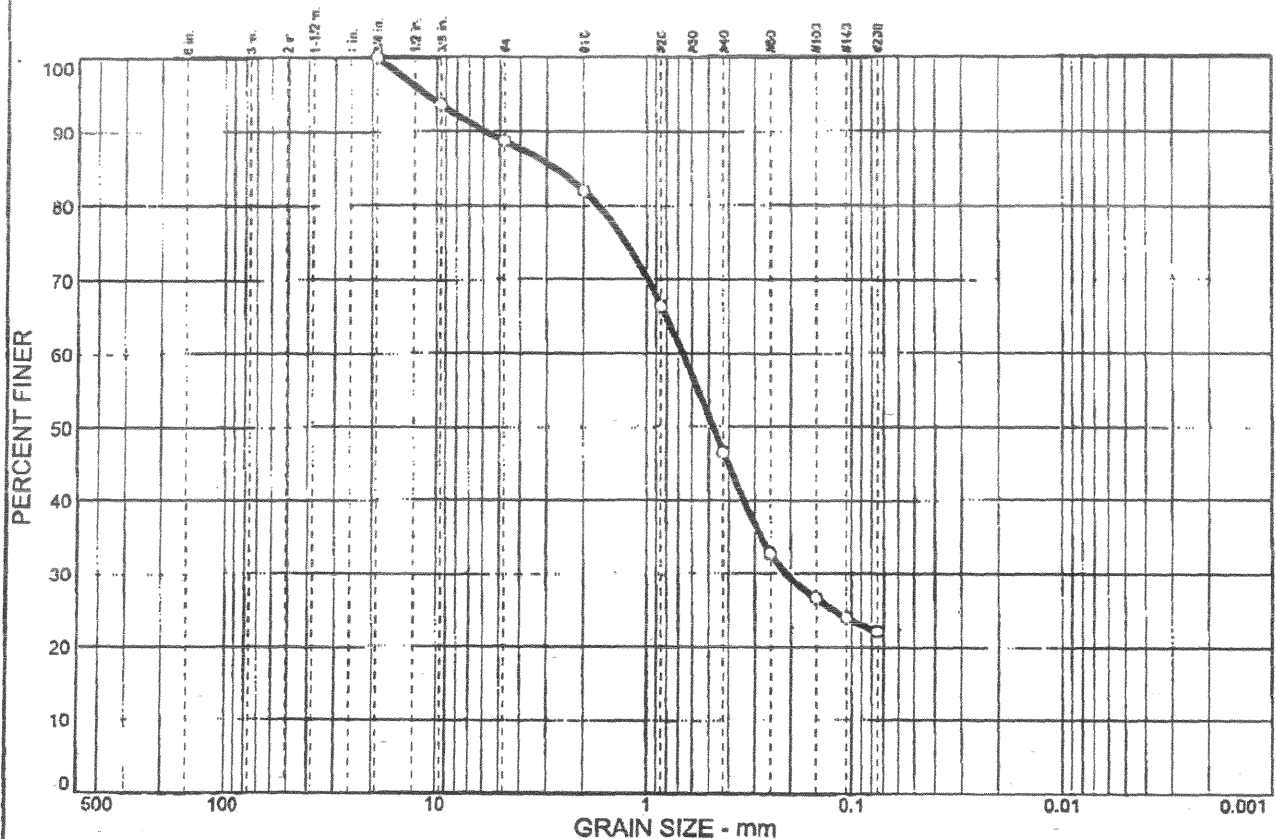
PL= Atterberg Limits LL= PI=

Coefficients  
D<sub>85</sub>= 6.97 D<sub>60</sub>= 0.607 D<sub>50</sub>= 0.276  
D<sub>30</sub>= 0.134 D<sub>15</sub>= 0.0888 D<sub>10</sub>= 0.0736  
C<sub>u</sub>= 8.24 C<sub>c</sub>= 0.40

USCS= Classification AASHTO=

Remarks

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	11.3	6.7	35.5	24.4	22.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	93.6		
#4	88.7		
#10	82.0		
#20	66.4		
#40	46.5		
#60	32.8		
#100	26.7		
#140	24.0		
#200	22.1		

\* (no specification provided)

## Soil Description

PL=

## Atterberg Limits

LL=

PI=

D<sub>85</sub>= 2.72  
D<sub>30</sub>= 0.209  
C<sub>u</sub>=

## Coefficients

D<sub>60</sub>= 0.670  
D<sub>15</sub>=  
C<sub>c</sub>=

D<sub>50</sub>= 0.478  
D<sub>10</sub>=

USCS=

## Classification

AASHTO=

## Remarks

Sample No.: 999  
Location: TC-2-2

Source of Sample:

Date:  
Elev./Depth: 8.3'

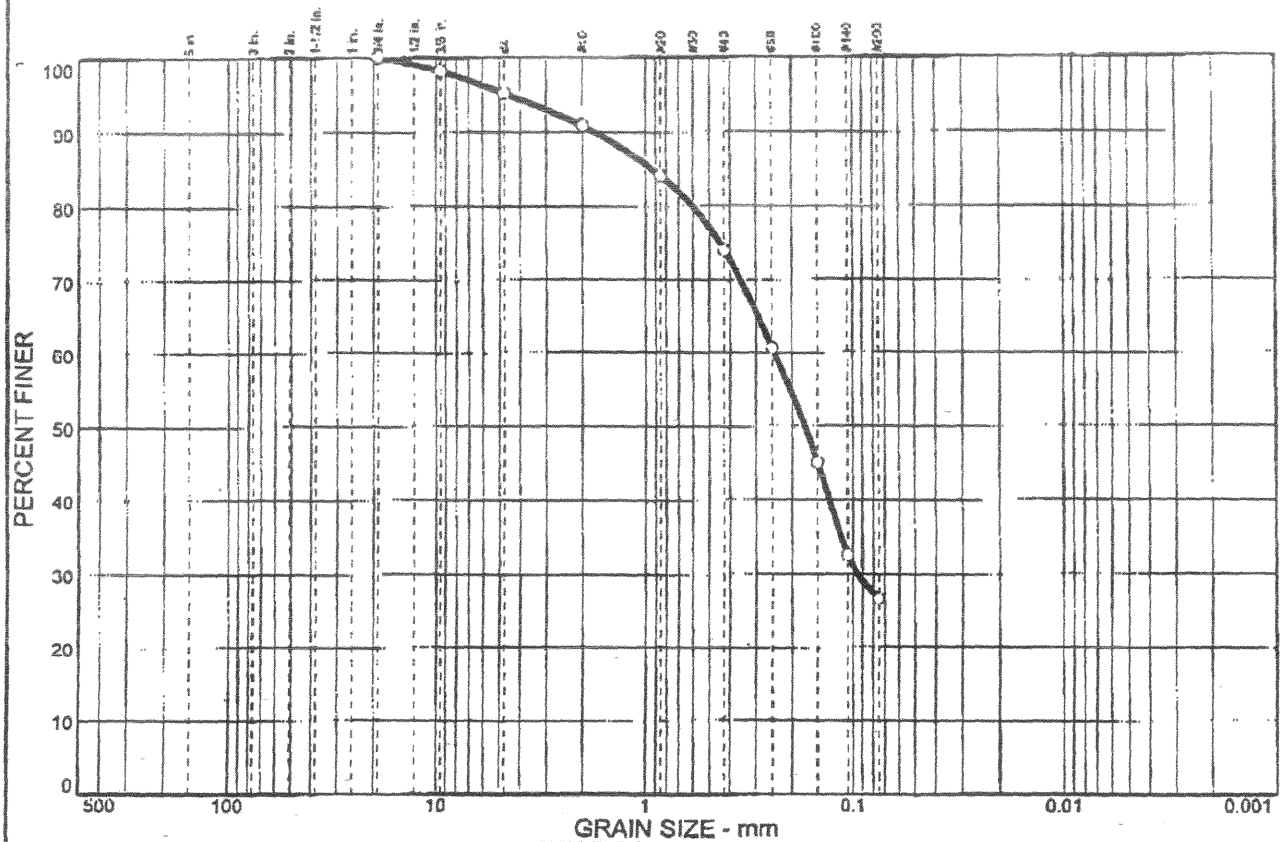
NODARSE &amp; ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	4.8	4.4	16.8	47.4	26.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	98.2		
#4	95.2		
#10	90.8		
#20	84.1		
#40	74.0		
#60	60.6		
#100	45.1		
#140	32.6		
#200	26.6		

\* (no specification provided)

## Soil Description

PL=      Atterberg Limits      PI=

LL=

Coefficients

D<sub>85</sub>= 0.931      D<sub>60</sub>= 0.245      D<sub>50</sub>= 0.173

D<sub>30</sub>= 0.0948      D<sub>15</sub>=      D<sub>10</sub>=

C<sub>u</sub>=      C<sub>c</sub>=

Classification

USCS=      AASHTO=

Remarks

Sample No.: 211  
Location: TC-3-3

Source of Sample:

Date:  
Elev./Depth: 13.5'

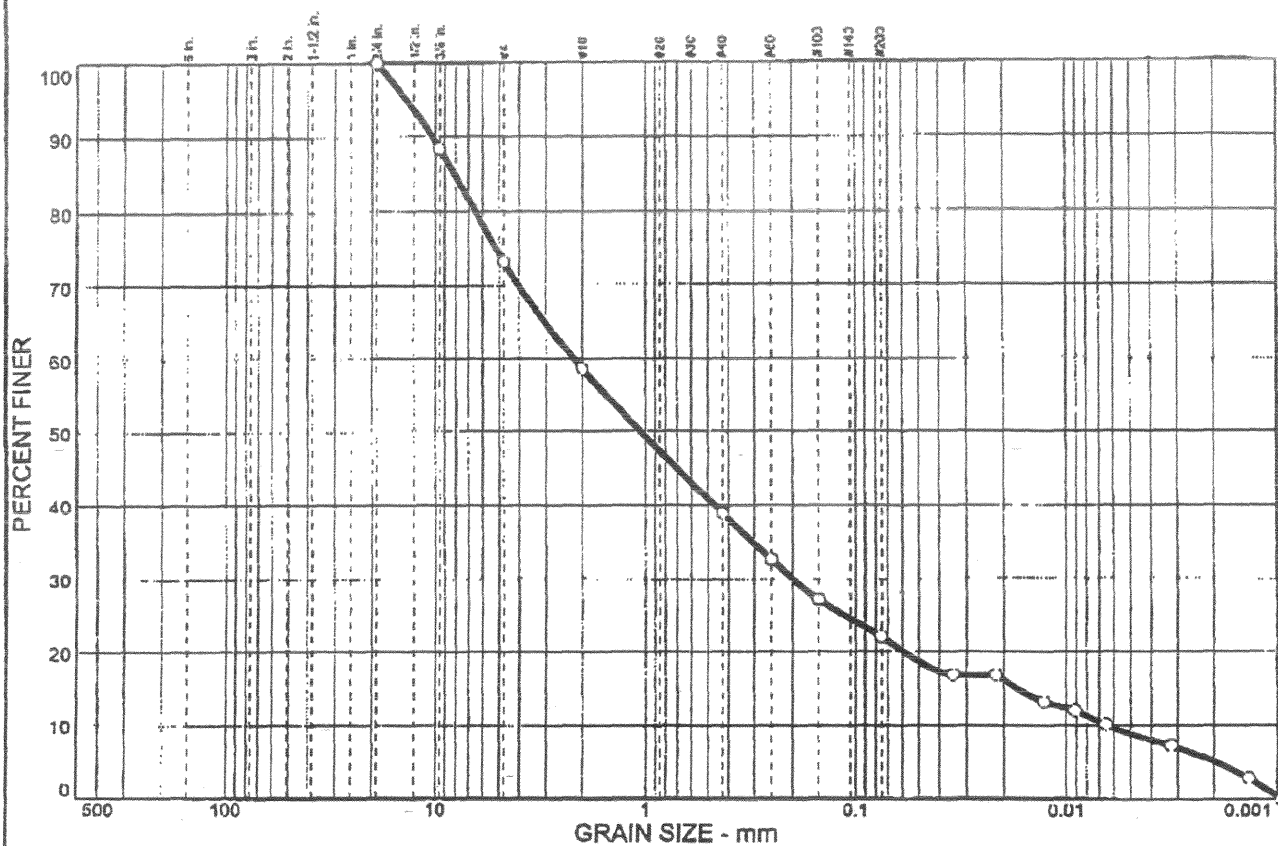
NODARSE & ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	26.8	14.6	19.7	16.8	13.3	8.8

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	88.4		
#4	73.2		
#10	58.6		
#40	38.9		
#60	32.6		
#100	27.2		
#200	22.1		

(no specification provided)

Sample No.: A  
Location: TC-4-2

**Source of Sample:**

Date: \_\_\_\_\_  
Elev./Depth: 7.4'

**NODARSE & ASSOCIATES, INC.**

**Client:**  
**Project:** EAA

Project No: W04-G-487

## Plate

### Soil Description

PL=

### Atterberg Limits

$$L =$$

PI=

$$\begin{aligned} D_{85} &= 8.10 \\ D_{30} &= 0.199 \\ C_u &= 346.52 \end{aligned}$$

### Coefficients

$$\begin{aligned} D_{60} &= 2.20 \\ D_{15} &= 0.0171 \\ C_c &= 2.82 \end{aligned}$$

D<sub>50</sub>= 1.05  
D<sub>10</sub>= 0.0064

USCS=

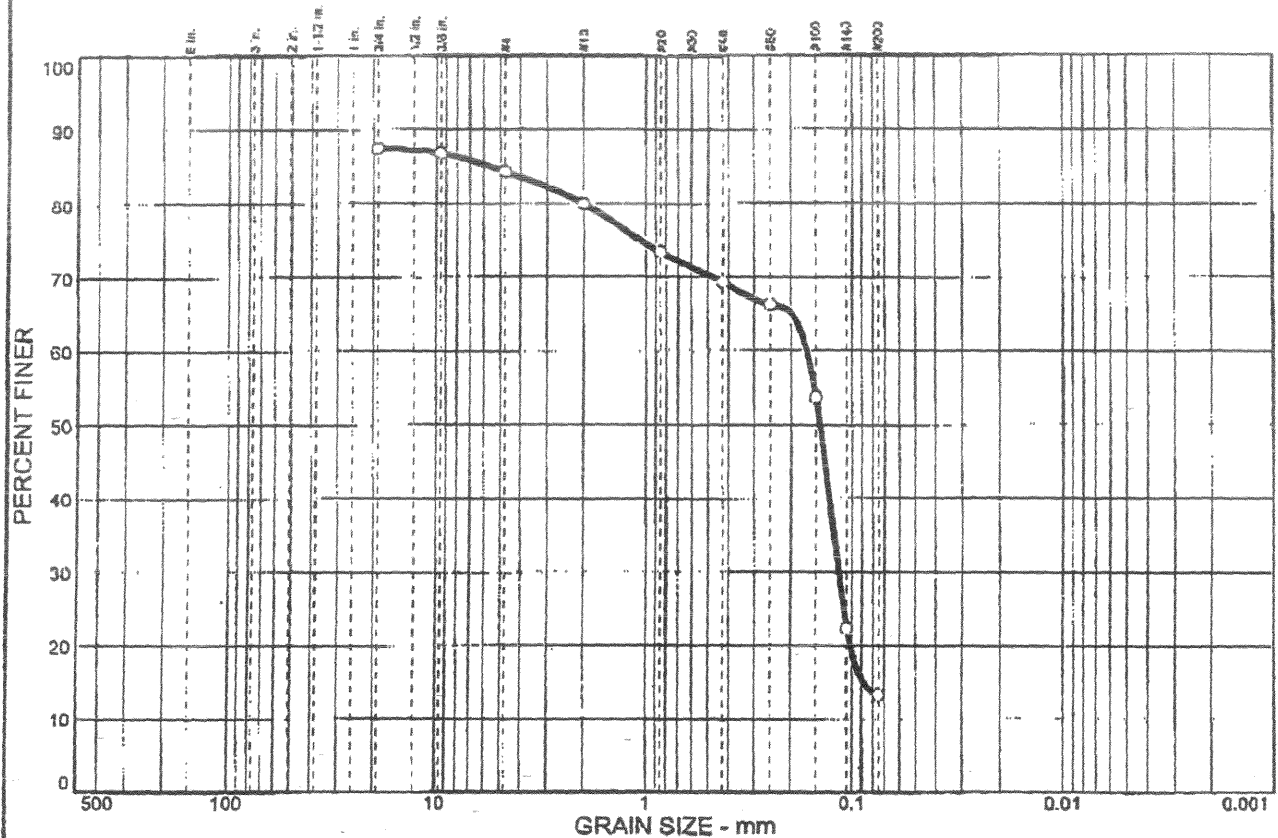
## Classification

**AASHTO=**

### Remarks



## Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
		3.1	4.4	10.6	56.1	13.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	87.4		
3/8 in.	86.8		
#4	84.3		
#10	79.9		
#20	73.4		
#40	69.3		
#60	66.3		
#100	53.7		
#140	22.3		
#200	13.2		

\* (no specification provided)

### Soil Description

**Atterberg Limits**  
 PL=      LL=      PI=

**Coefficients**  
 D<sub>85</sub>= 5.61      D<sub>60</sub>= 0.167      D<sub>50</sub>= 0.143  
 D<sub>30</sub>= 0.117      D<sub>15</sub>= 0.0888      D<sub>10</sub>=  
 C<sub>u</sub>=      C<sub>c</sub>=

**Classification**  
 USCS=      AASHTO=

**Remarks**

Sample No.: 269

Source of Sample:

Date:

Location: TC-5-10

Elev./Depth: 48.5'

**NODARSE & ASSOCIATES, INC.**

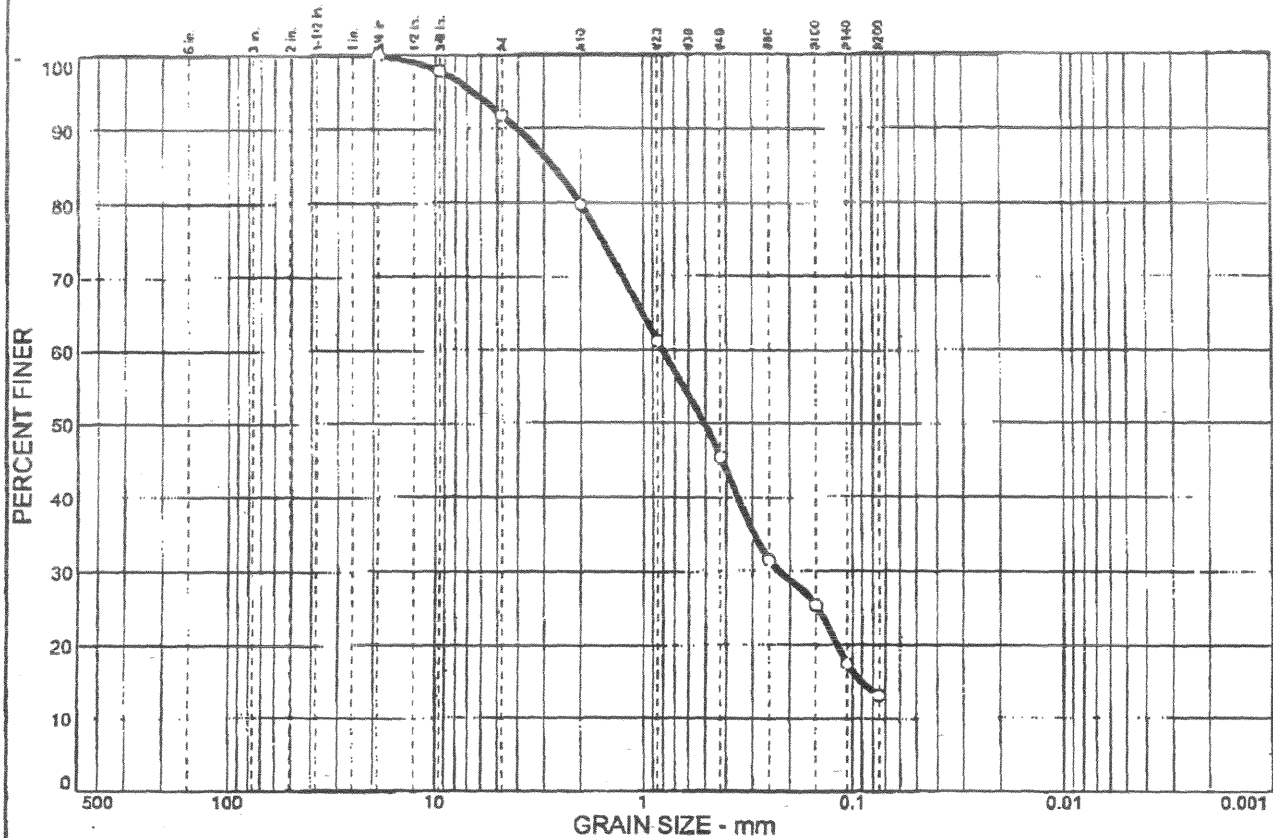
 Client:  
 Project: EAA

Project No: W04-G-487

Plate



# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	8.2	12.0	34.4	32.3	13.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	97.8		
#4	91.8		
#10	79.8		
#20	61.2		
#40	45.4		
#60	31.5		
#100	25.4		
#140	17.4		
#200	13.1		

(no specification provided)

Sample No.: 307  
Location: TC-6-4

Source of Sample:

Date:  
Elev./Depth: 18.5'

NODARSE & ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

## Soil Description

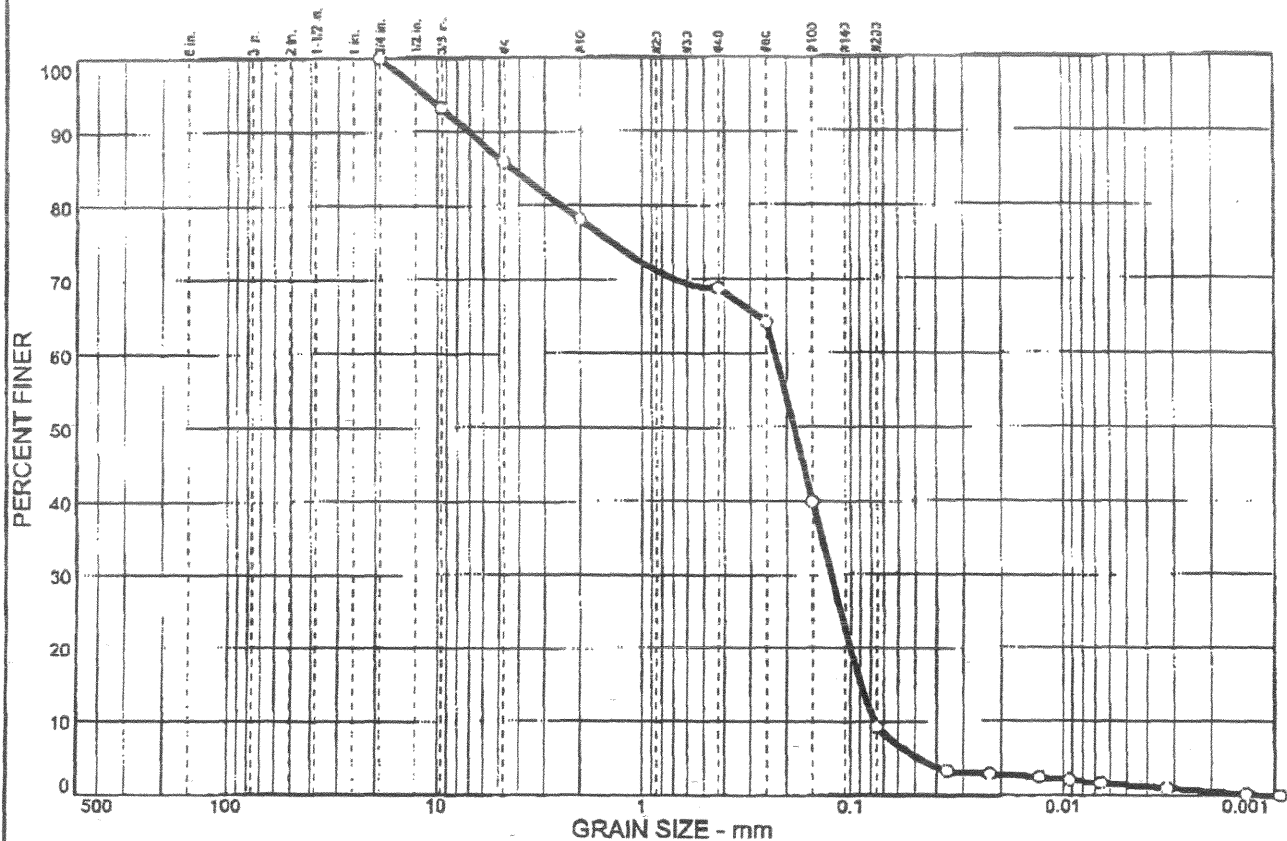
PL= Atterberg Limits LL= PI=

Coefficients  
D<sub>85</sub>= 2.74 D<sub>60</sub>= 0.804 D<sub>50</sub>= 0.509  
D<sub>30</sub>= 0.225 D<sub>15</sub>= 0.0909 D<sub>10</sub>=  
C<sub>u</sub>= C<sub>c</sub>=

USCS= Classification AASHTO=

Remarks

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	14.1	7.8	9.4	59.5	7.8	1.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	93.2		
#4	85.9		
#10	78.1		
#40	68.7		
#60	64.2		
#100	59.5		
#200	9.2		

\* (no specification provided)

Sample No.: AS  
Location: TC-6-6

Source of Sample:

Date:  
Elev./Depth: 28.5'

NODARSE & ASSOCIATES, INC.

Client:  
Project: FAA

Project No: W04-G-487

Plate

## Soil Description

PL=

## Atterberg Limits

LL=

PI=

D<sub>85</sub>= 4.33  
D<sub>30</sub>= 0.123  
C<sub>u</sub>= 2.96

## Coefficients

D<sub>60</sub>= 0.228  
D<sub>15</sub>= 0.0892  
C<sub>c</sub>= 0.87

D<sub>50</sub>= 0.184  
D<sub>10</sub>= 0.0772

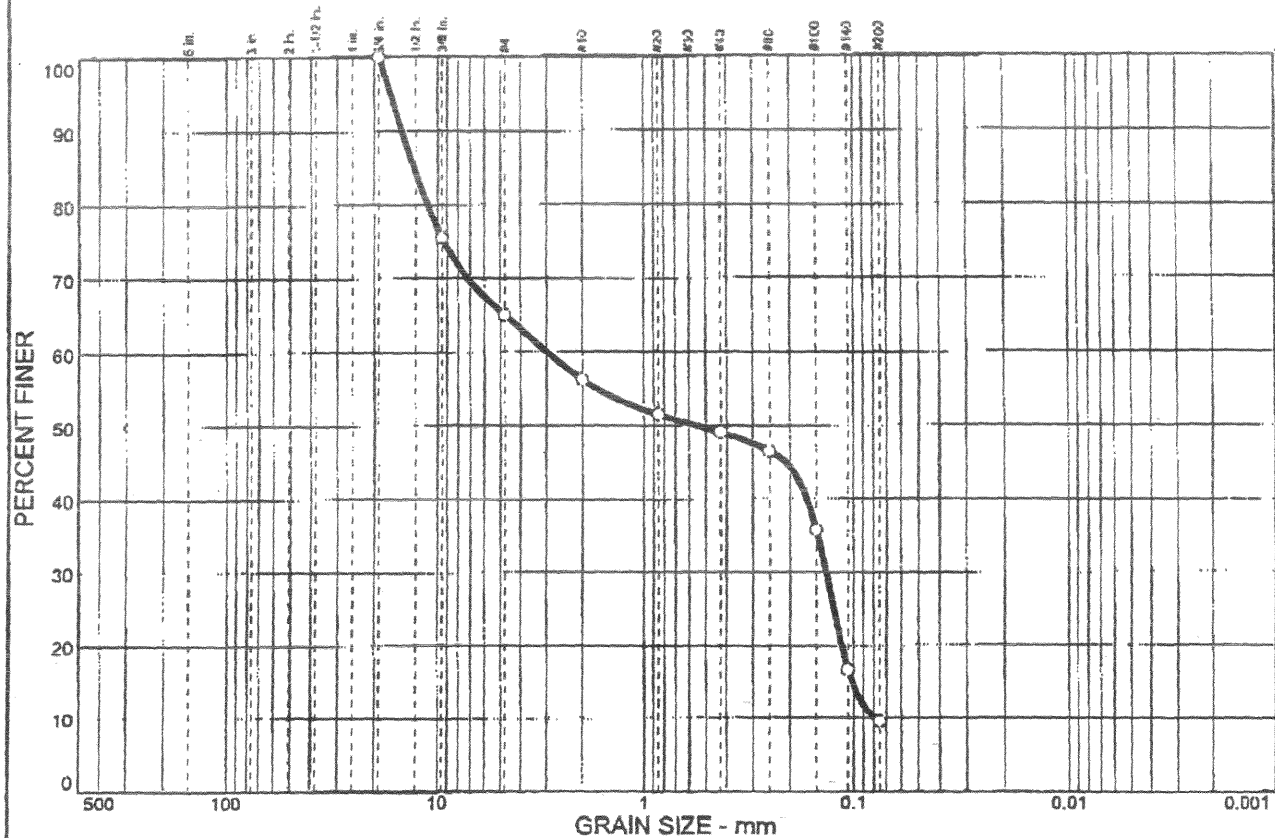
## Classification

USCS=

AASHTO=

## Remarks

## Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	35.0	8.8	7.2	39.5	9.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	75.5		
#4	65.0		
#10	56.2		
#20	51.5		
#40	49.0		
#60	46.5		
#100	35.8		
#140	16.6		
#200	9.5		

\* (no specification provided)

**Soil Description**

PL=      Atterberg Limits      PI=

LL=

Coefficients

D<sub>85</sub>= 13.0      D<sub>60</sub>= 2.99      D<sub>50</sub>= 0.561

D<sub>30</sub>= 0.135      D<sub>15</sub>= 0.102      D<sub>10</sub>= 0.0789

C<sub>u</sub>= 37.83      C<sub>c</sub>= 0.08

Classification

USCS=      AASHTO=

Remarks

Sample No.: 254  
Location: TC-7-6

Source of Sample:

Date:  
Elev./Depth: 28.5'

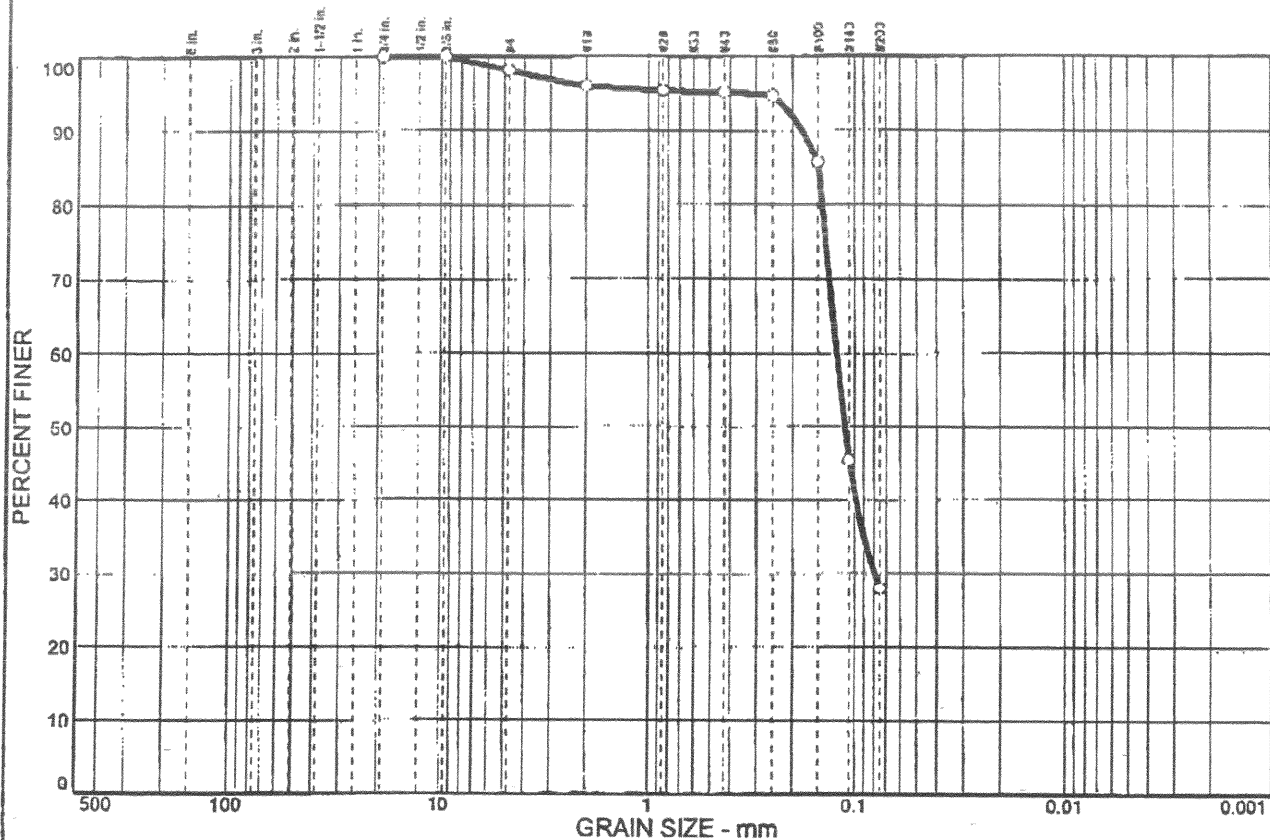
**NODARSE & ASSOCIATES, INC.**

Client:  
Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	1.8	2.2	0.8	67.2	28.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	100.0		
#4	98.2		
#10	96.0		
#20	95.4		
#40	95.2		
#60	94.7		
#100	85.8		
#140	45.4		
#200	28.0		

(no specification provided)

**Soil Description**

PL=      Atterberg Limits      PI=

LL=      Coefficients

D<sub>85</sub>= 0.149      D<sub>60</sub>= 0.122      D<sub>50</sub>= 0.111

D<sub>30</sub>= 0.0796      D<sub>15</sub>=      D<sub>10</sub>=

C<sub>u</sub>=      C<sub>c</sub>=

USCS=      Classification      AASHTO=

Remarks

Sample No.: 203  
Location: TC-8-9

Source of Sample:

Date:  
Elev./Depth: 43.5-45.0'

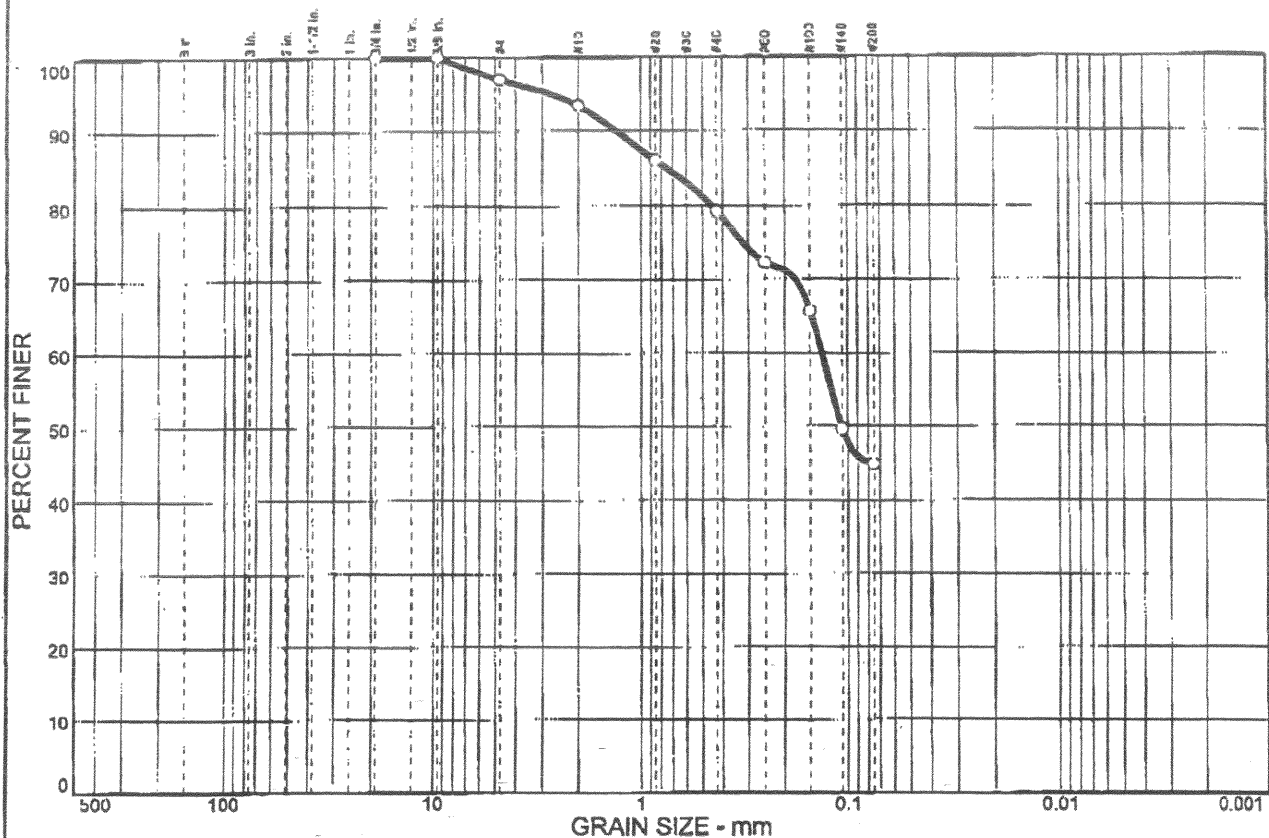
NODARSE &amp; ASSOCIATES, INC.

Client:  
Project: EAA

Project No: W04-G-487

Plate

# Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	3.0	3.6	14.2	34.3	44.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100.0		
3/8 in.	100.0		
#4	97.0		
#10	93.4		
#20	86.0		
#40	79.2		
#60	72.3		
#100	65.8		
#140	49.6		
#200	44.9		

\* (no specification provided)

Soil Description		
<p><b>Atterberg Limits</b></p> <p>PL=      LL=      PI=</p>		
<p><b>Coefficients</b></p> <p>D<sub>85</sub>= 0.755      D<sub>60</sub>= 0.132      D<sub>50</sub>= 0.107</p> <p>D<sub>30</sub>=      D<sub>15</sub>=      D<sub>10</sub>=</p> <p>C<sub>u</sub>=      C<sub>c</sub>=</p>		
<p><b>Classification</b></p> <p>USCS=      AASHTO=</p>		
<p><b>Remarks</b></p>		

Sample No.: 249  
Location: TC-10-4

Source of Sample:

Date:  
Elev./Depth: 18.5'

**NODARSE & ASSOCIATES, INC.**

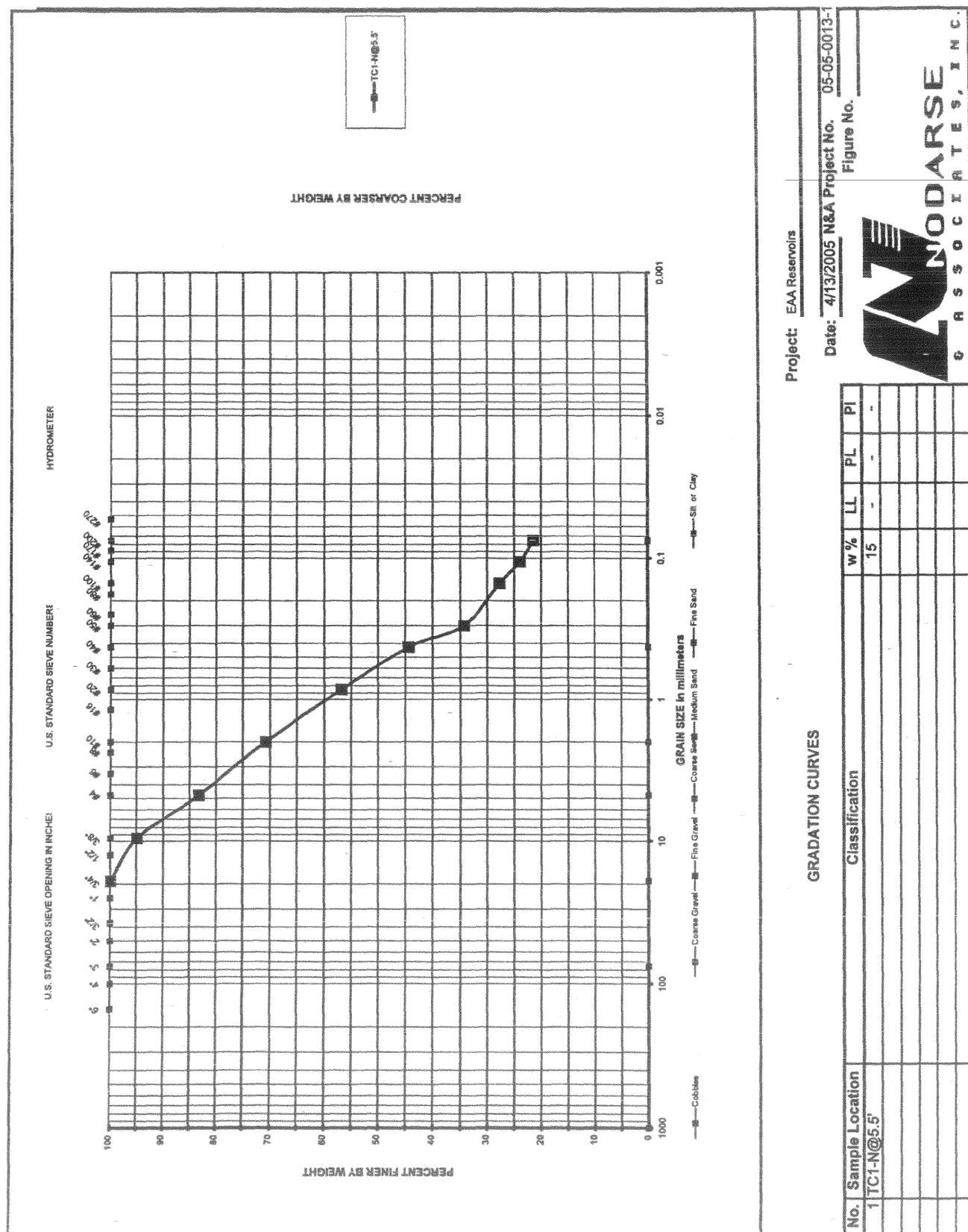
Client:  
Project: EAA  
Project No: W04-G-487

Plate

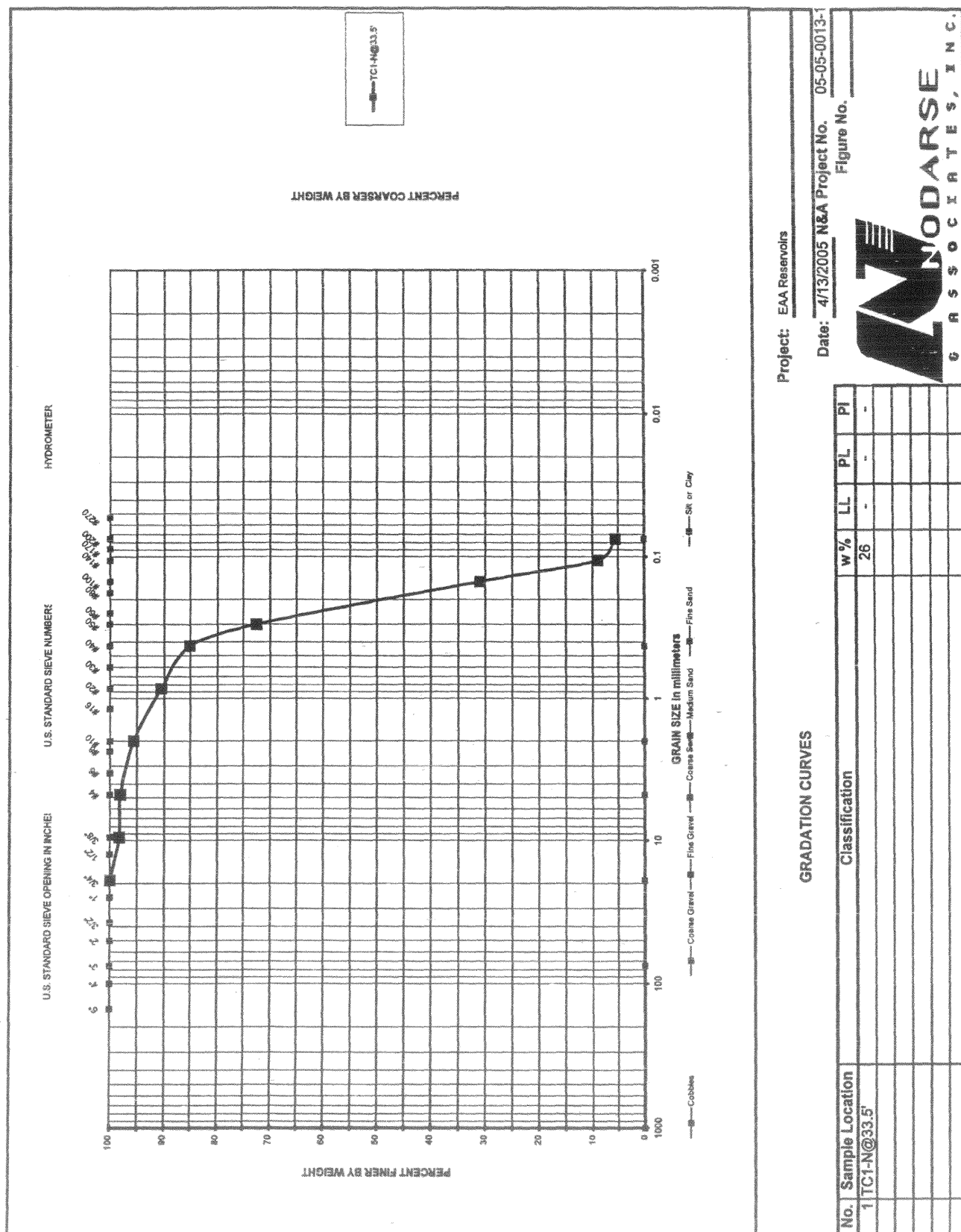
**LABORATORY TEST RESULTS FOR  
EAA RESERVOIR  
PROJECT No: 05-05-0013-101.  
N&A**

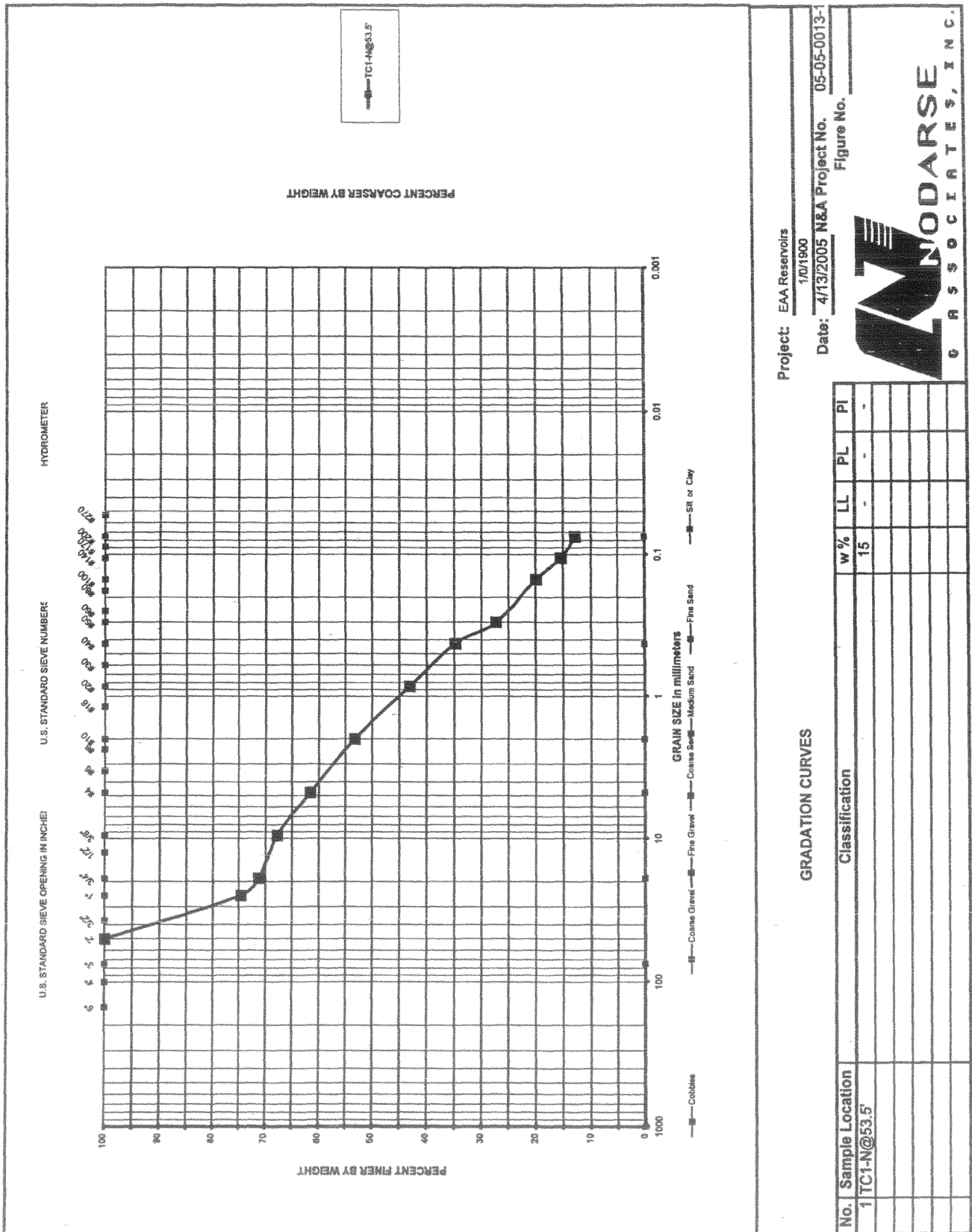
Boring Number	Approximate Sample Depth (feet)	Passing Sieve Number (%)					Moisture Content (%)	Organic Content (%)	Atterberg Limits		Classification	Stratum Number
		10	40	60	100	200			LL	PI		
TC1-N	5.5'	71	44	34	28	22	15	-	-	-		
TC1-N	33.5'	96	85	73	31	6	26	-	-	-		
TC1-N	53.5'	53	35	27	20	13	15	-	-	-		
TC1-N	68.5'	55	29	22	16	11	18	-	-	-		
TC1-N	73.5'	63	30	20	11	8	24	-	-	-		
TC1-N	88.5'	76	50	37	21	17	25	-	-	-		
TC1-E	13.5'	69	53	44	35	25	21	-	-	-		
TC1-E	53.5'	50	28	22	18	14	17	-	-	-		
TC1-E	58.5'	79	43	30	20	15	25	-	-	-		
TC1-E	83.5'	60	34	23	13	10	22	-	-	-		
TC1-E	88.5'	82	49	29	14	12	21	-	-	-		
TC1-E	98.5'	73	35	25	16	12	15	-	-	-		
TC1-W	13.5'	69	55	46	36	23	26	-	-	-		
TC1-W	48.5'	88	79	75	53	15	26	-	-	-		

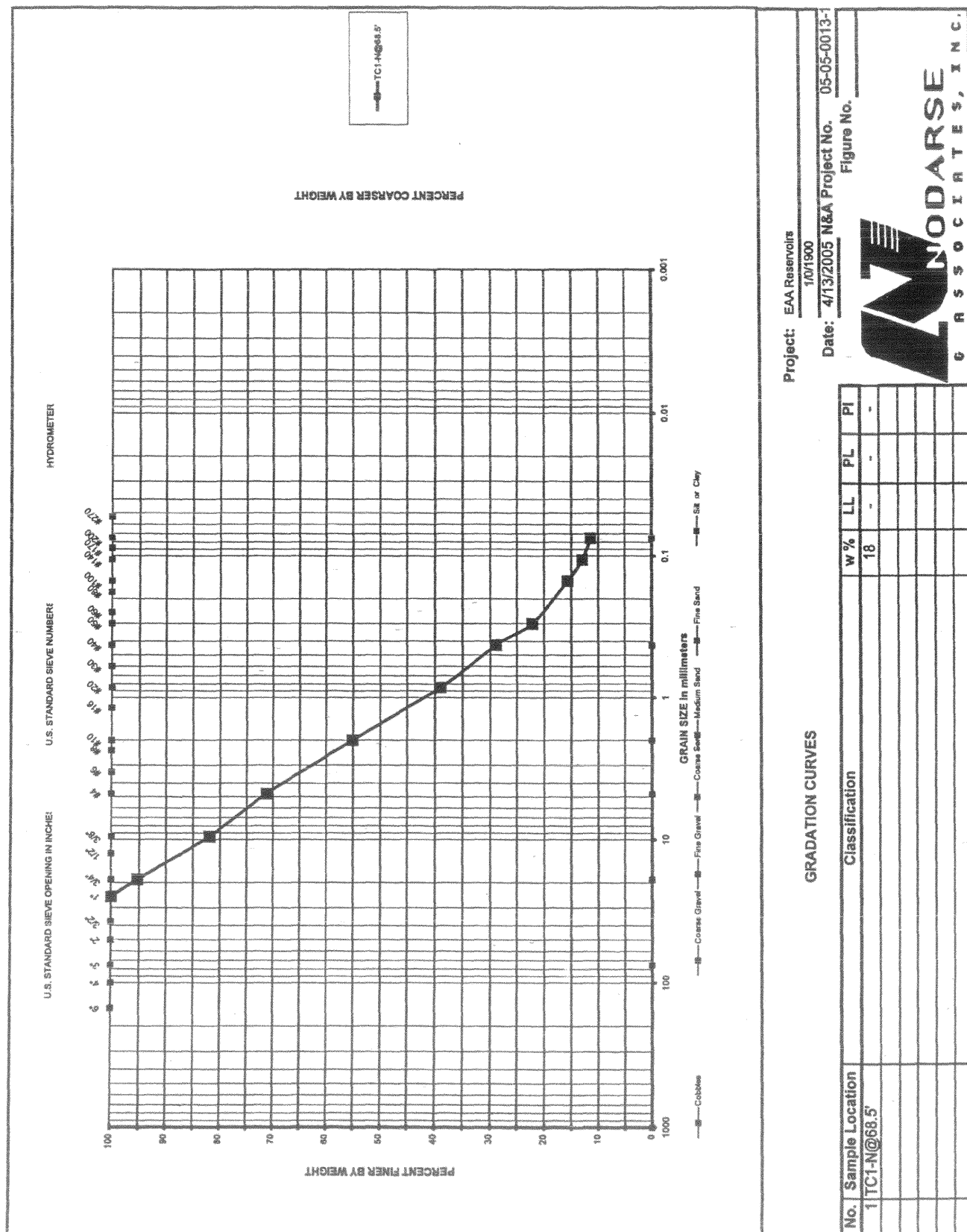
Boring Number	Approximate Sample Depth (feet)	Passing Sieve Number (%)					Moisture Content (%)	Organic Content (%)	Atterberg Limits		Classification	Stratum Number
		10	40	60	100	200			LL	PI		
TC1-W	68.5'	56	29	22	15	12	19	-	-	-		
TC1-W	78.5'	69	37	25	15	12	22	-	-	-		
TC1-W	93.5'	84	39	23	17	14	22	-	-	-		
TC1-S	13.5'	84	68	57	43	25	21	-	-	-		
TC1-S	33.5'	82	53	34	19	6	20	-	-	-		
TC1-S	68.5'	63	33	25	17	13	20	-	-	-		
TC1-S	93.5'	82	39	22	14	12	23	-	-	-		

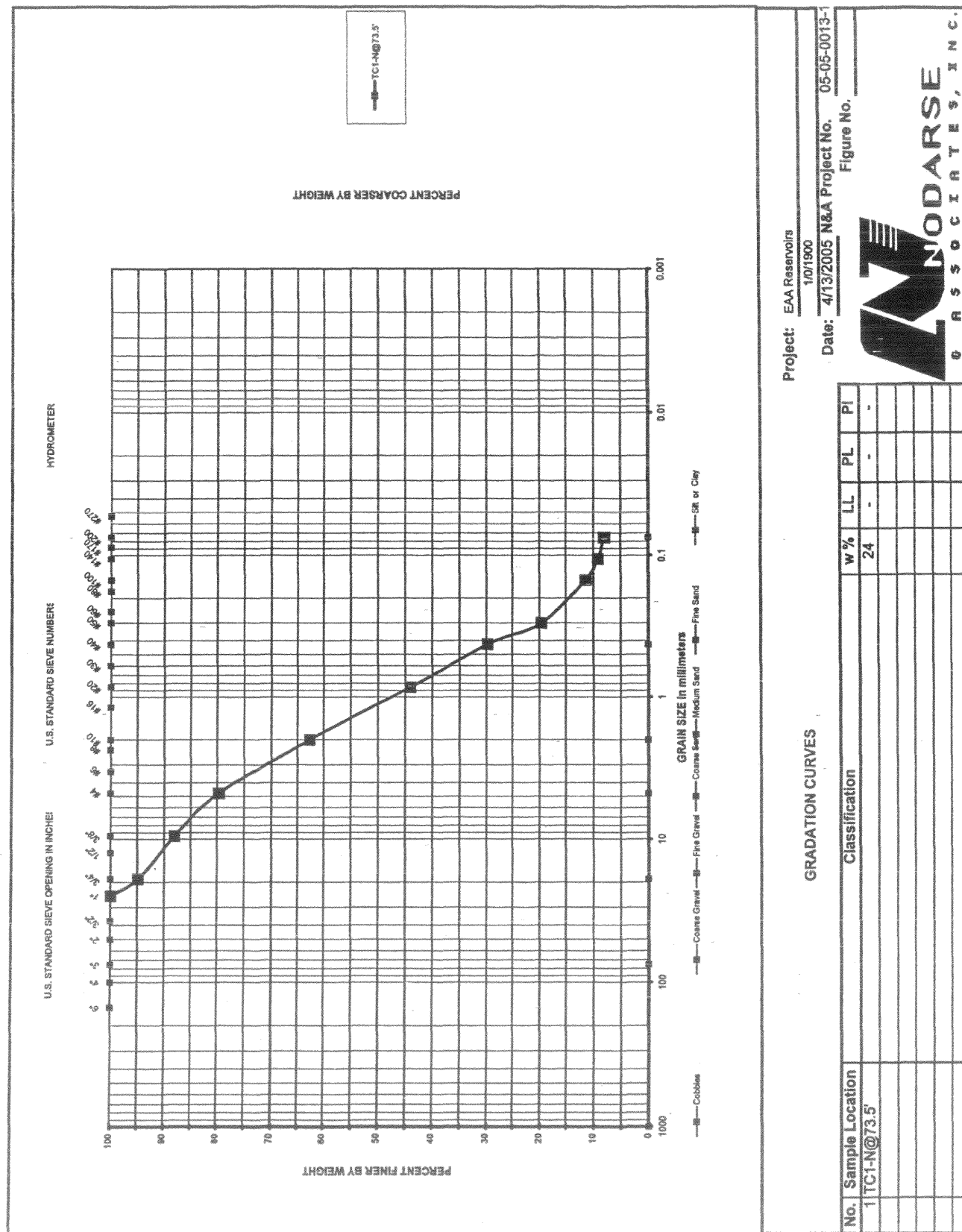


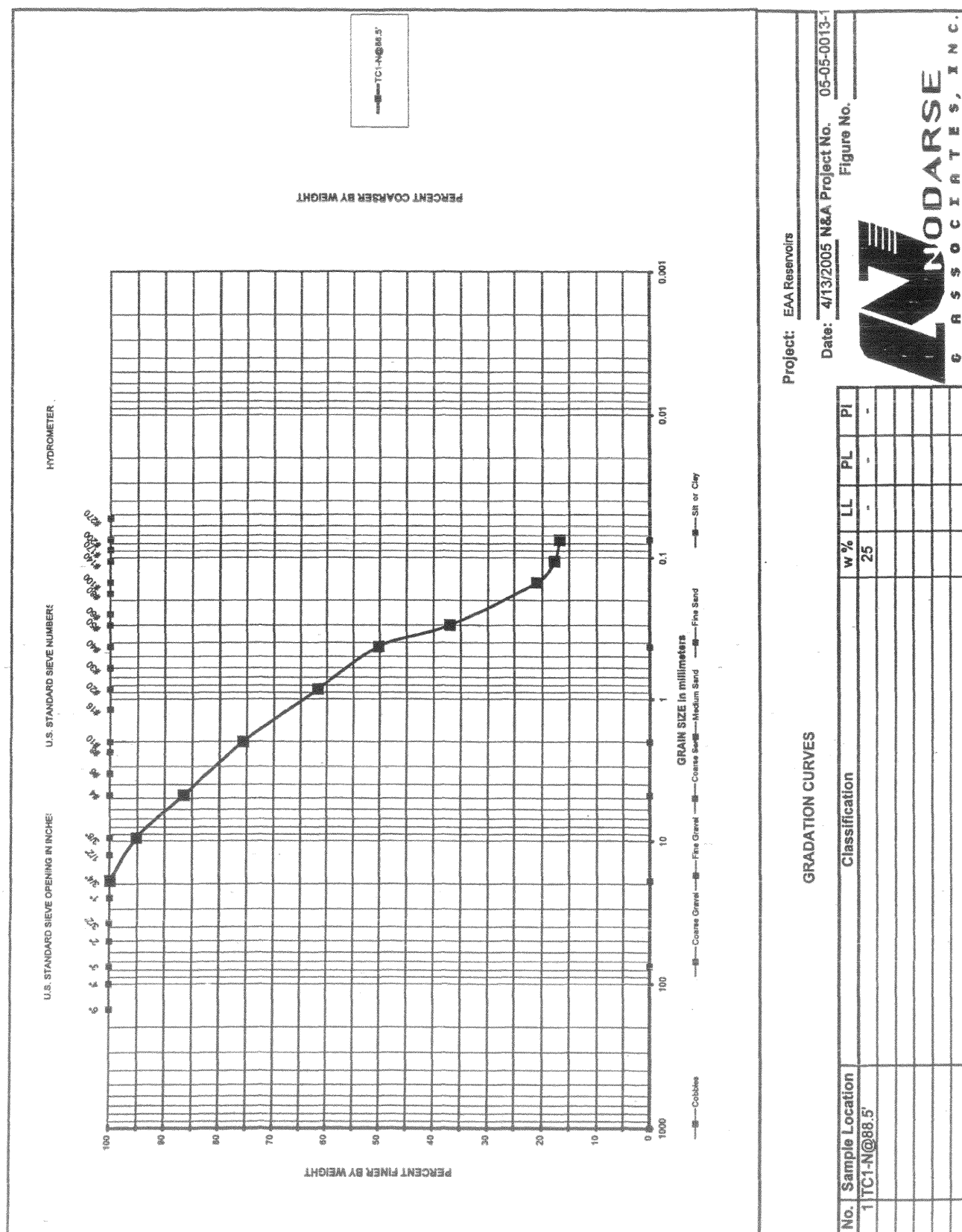


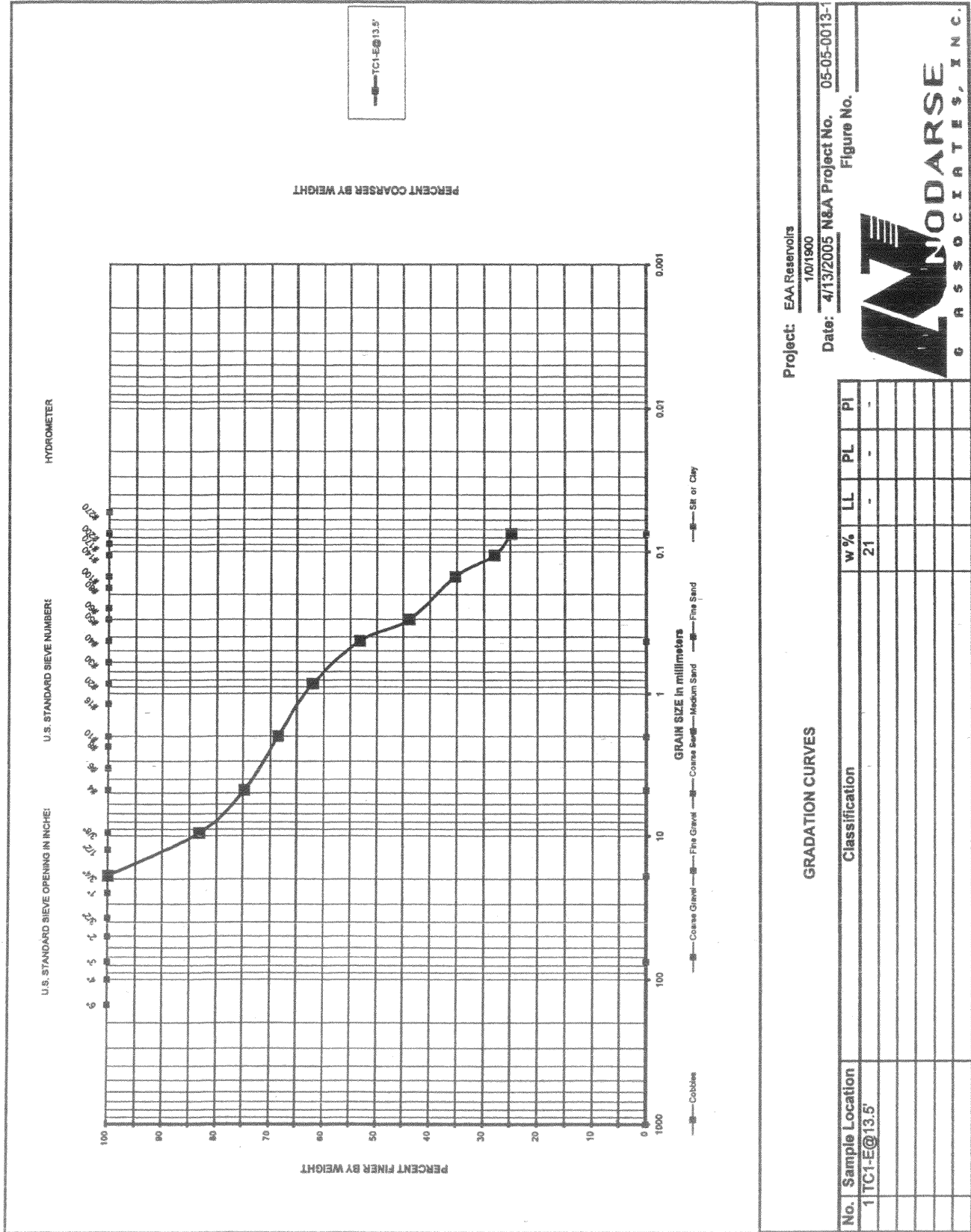


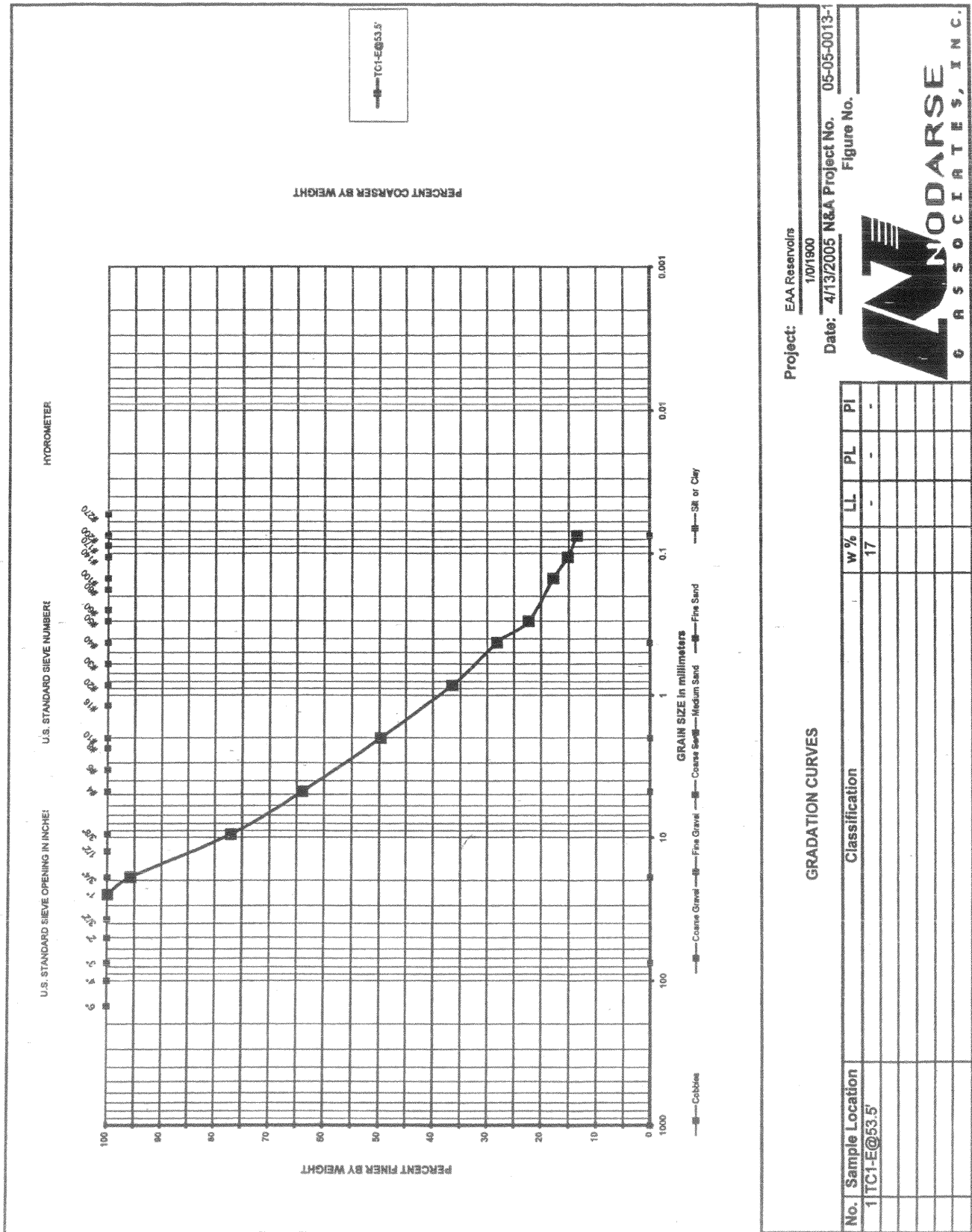


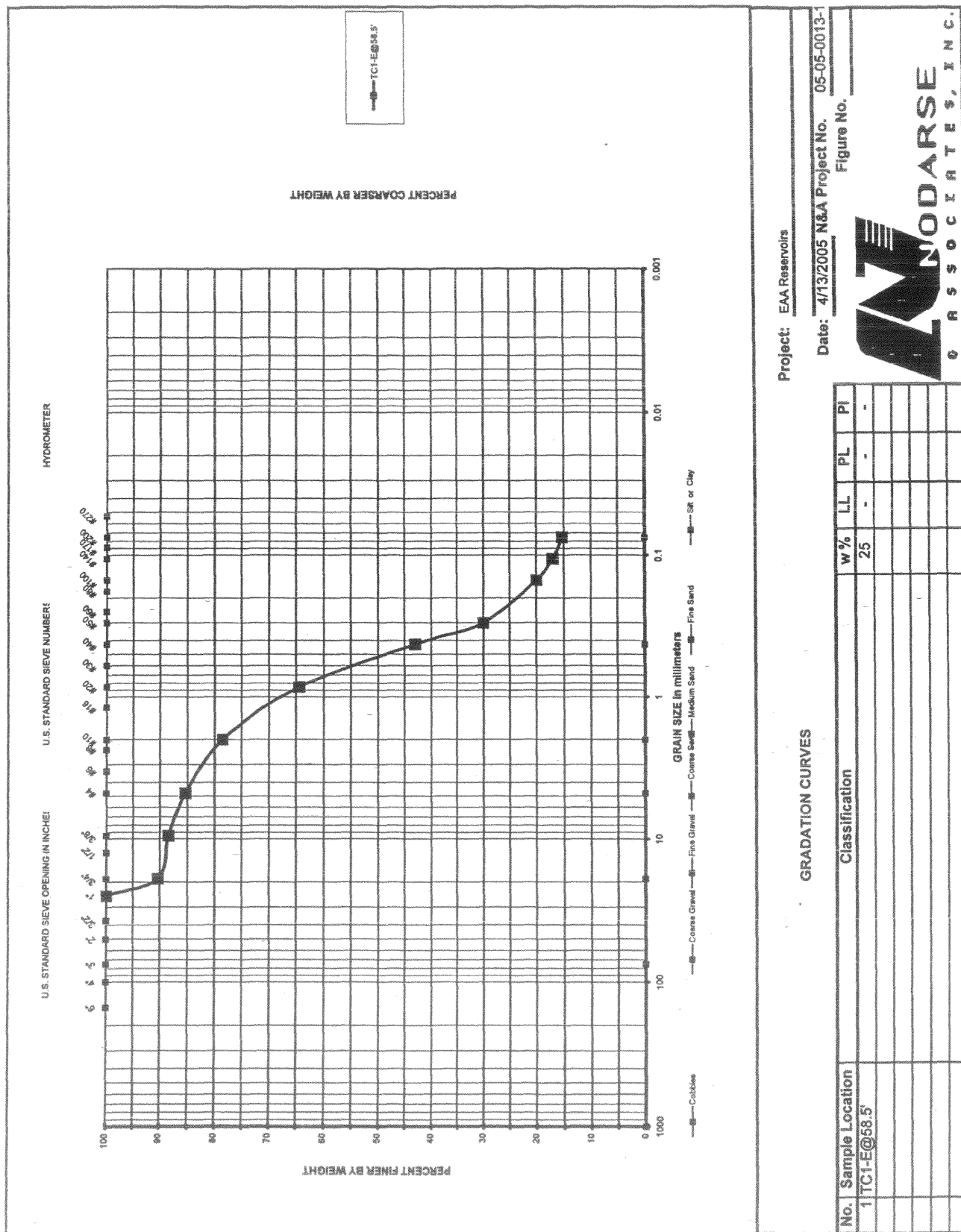




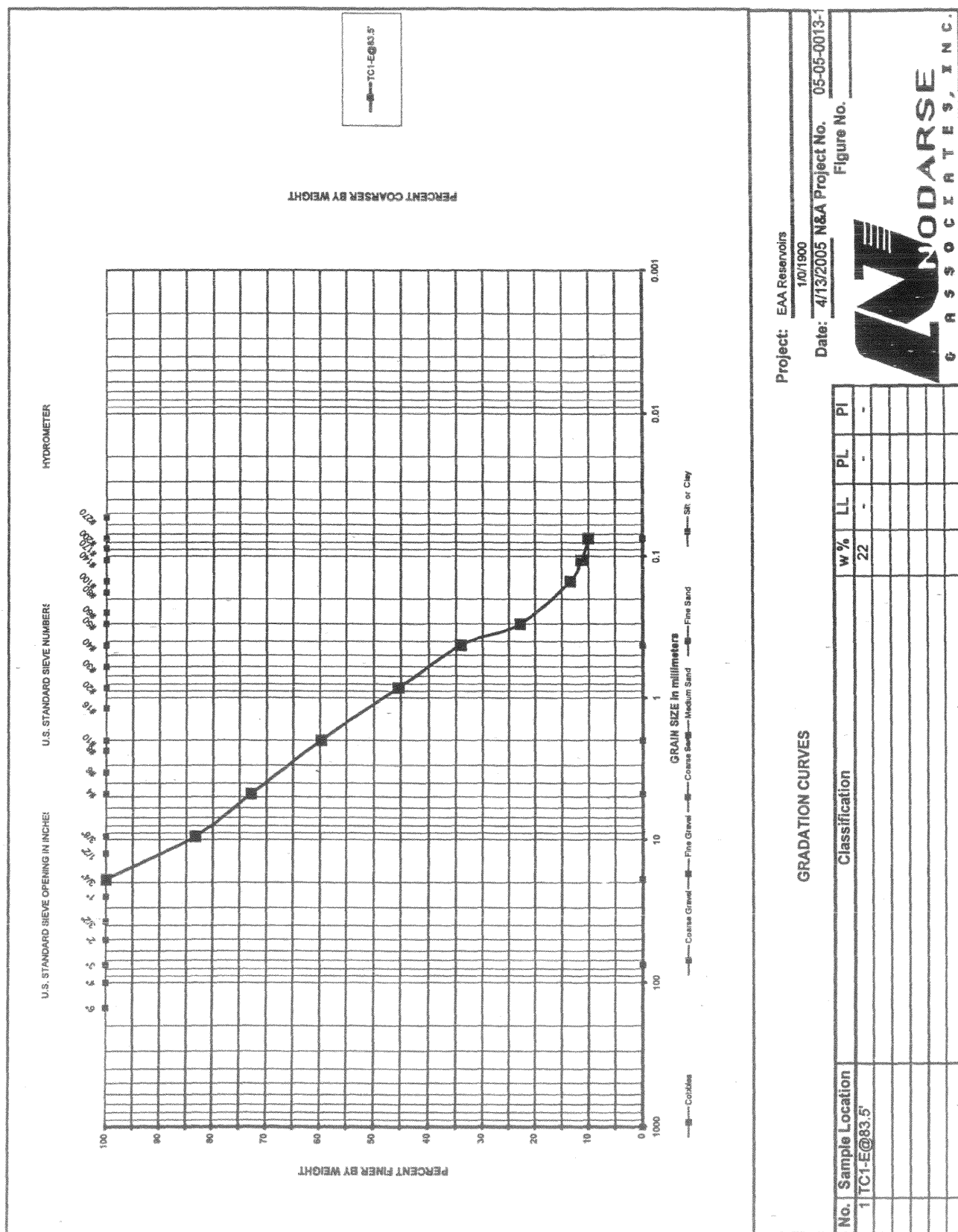


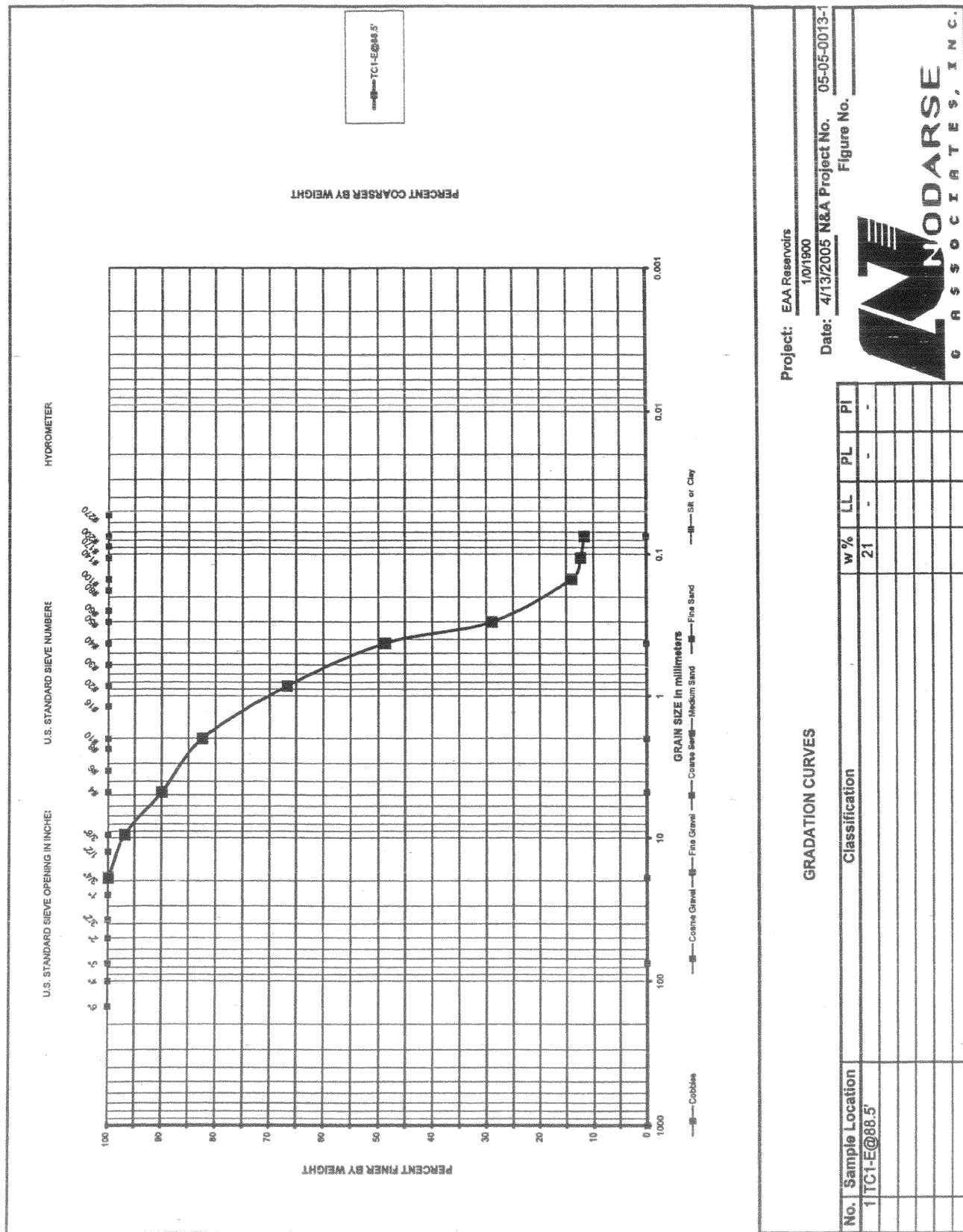


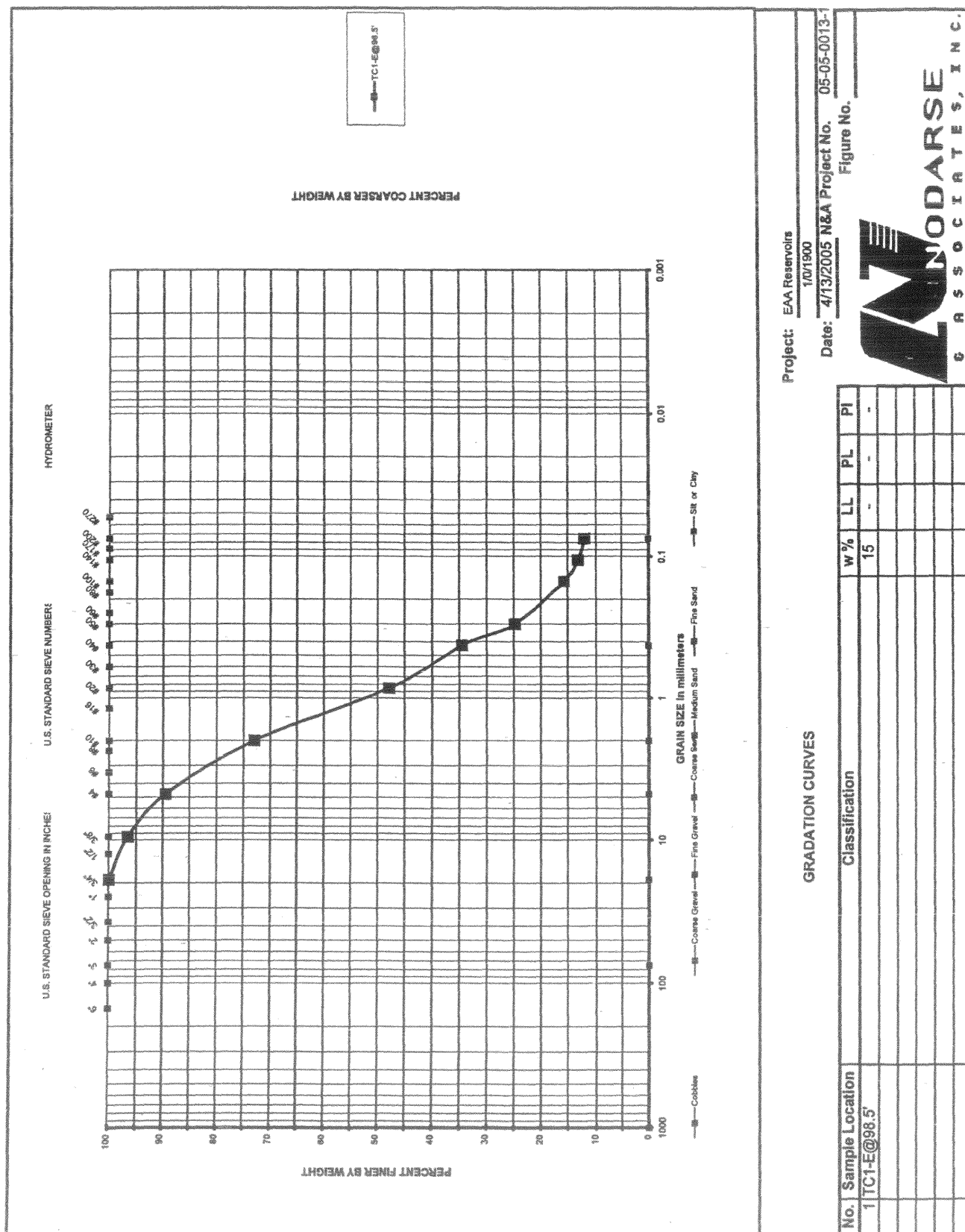


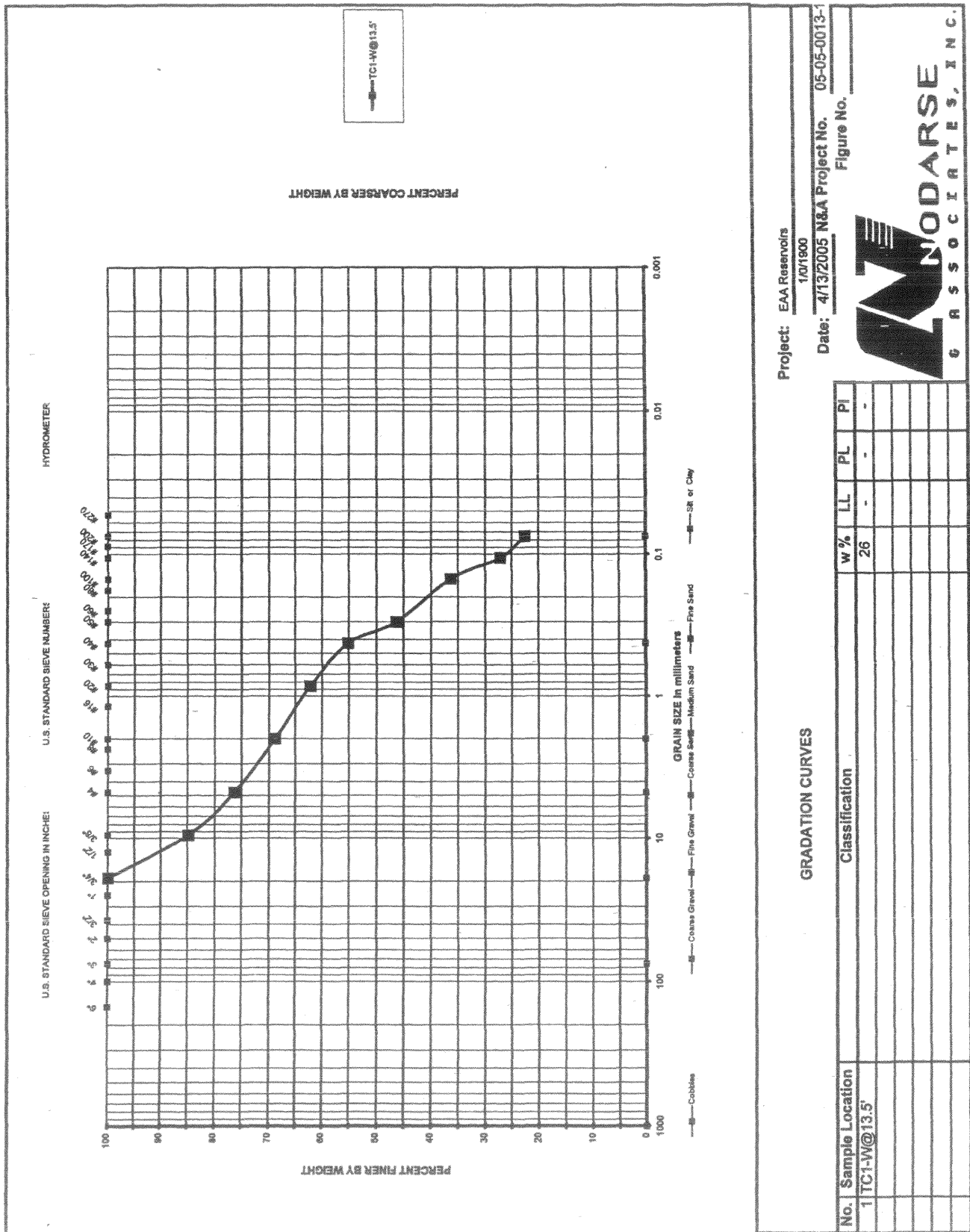


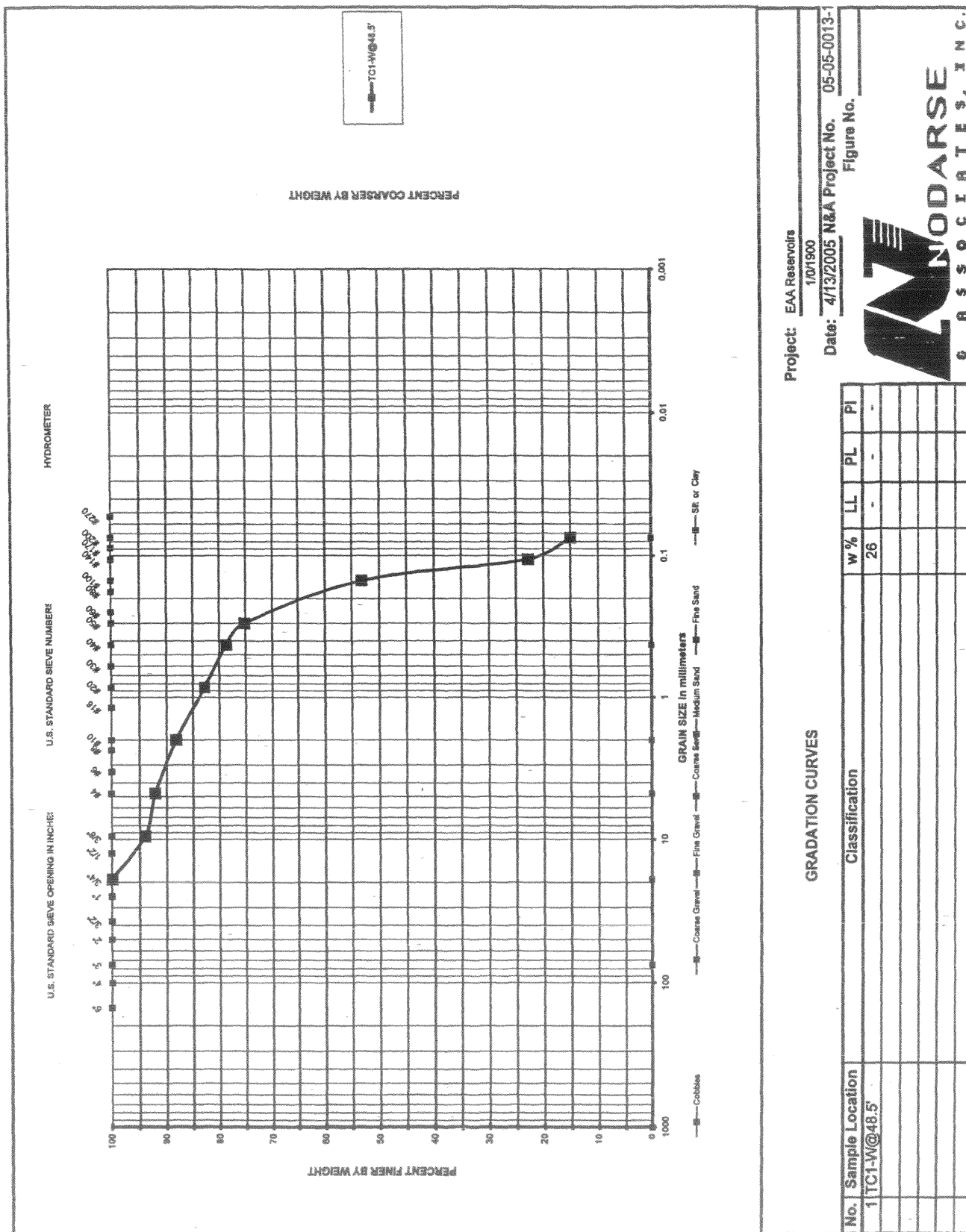


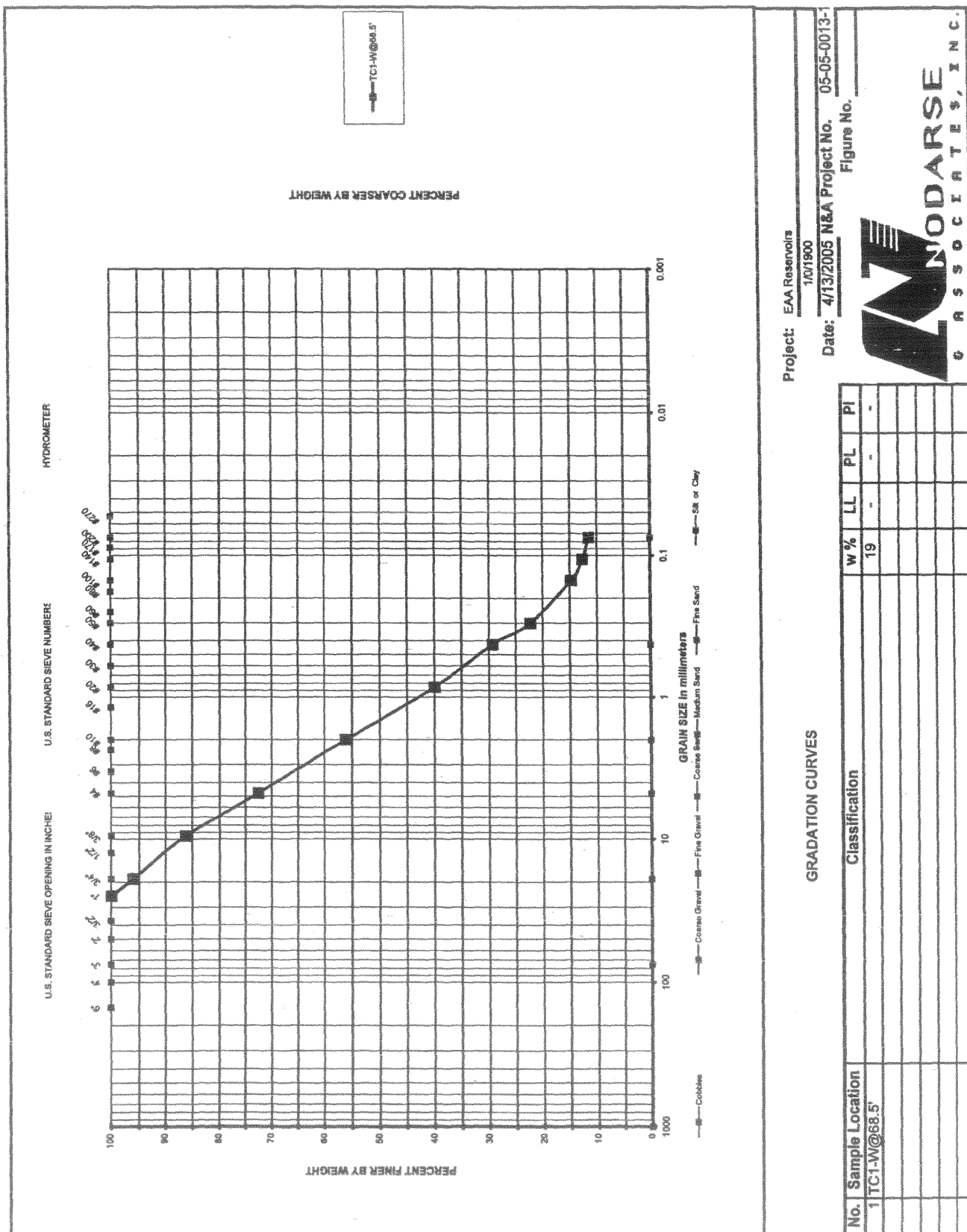


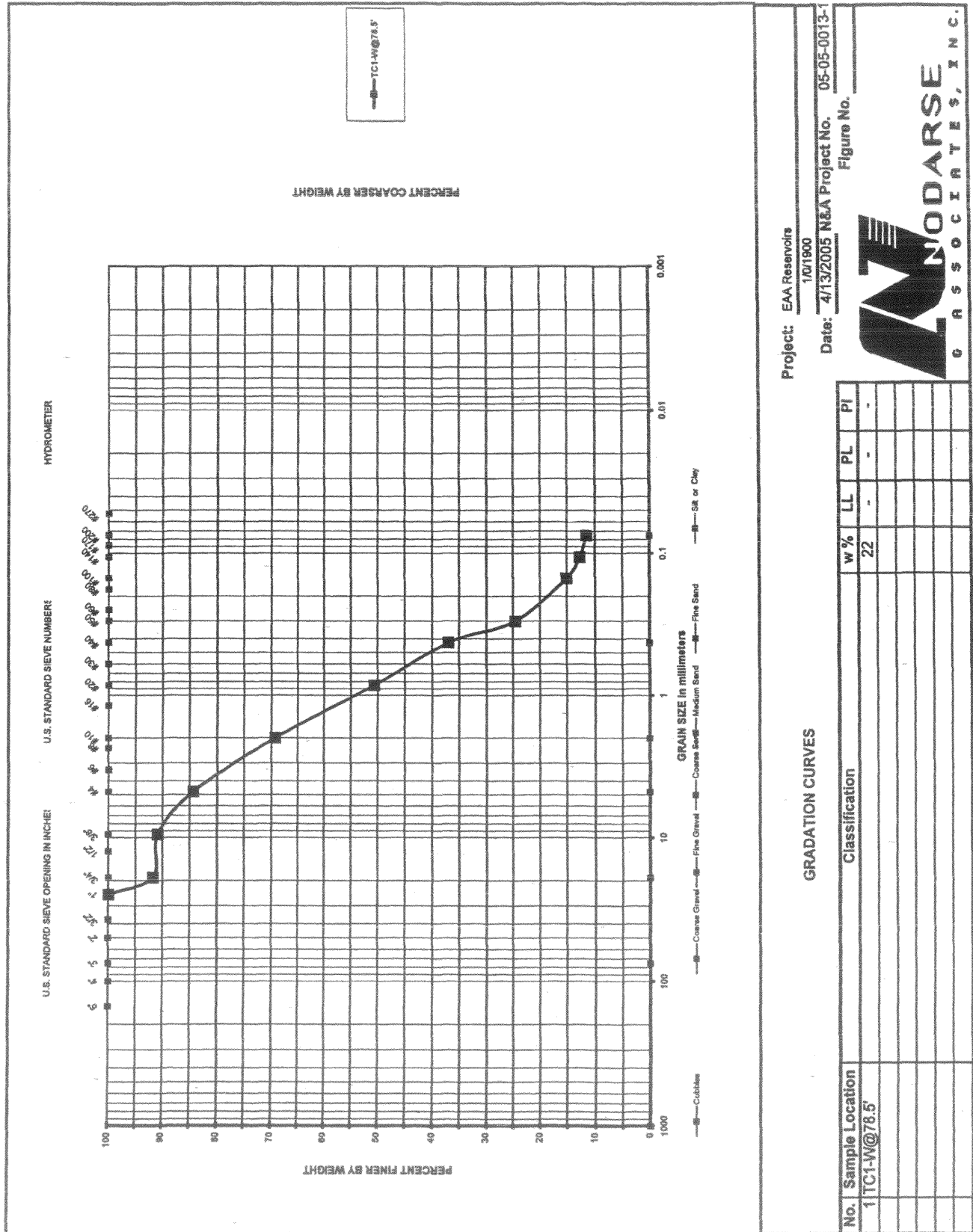


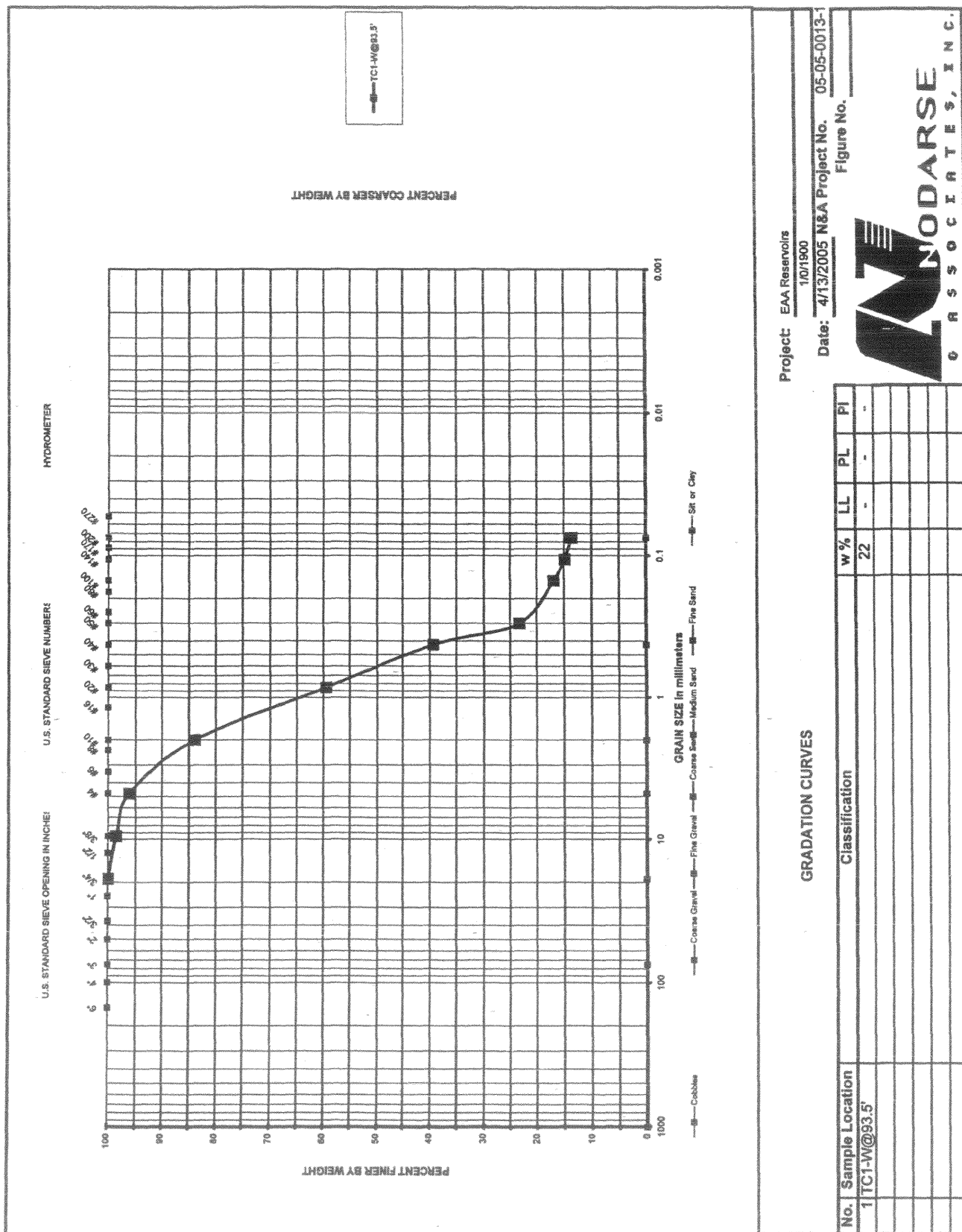




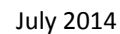


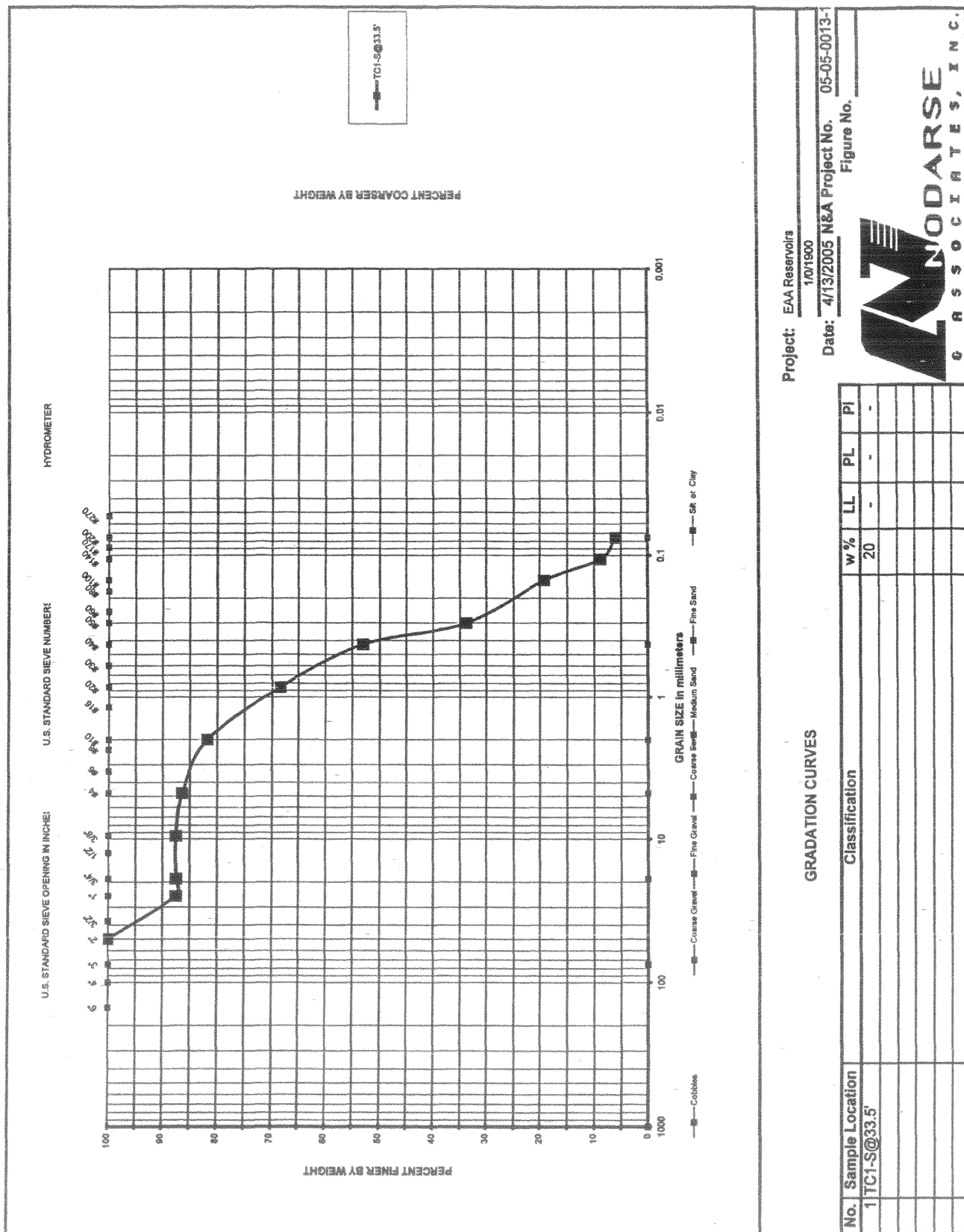


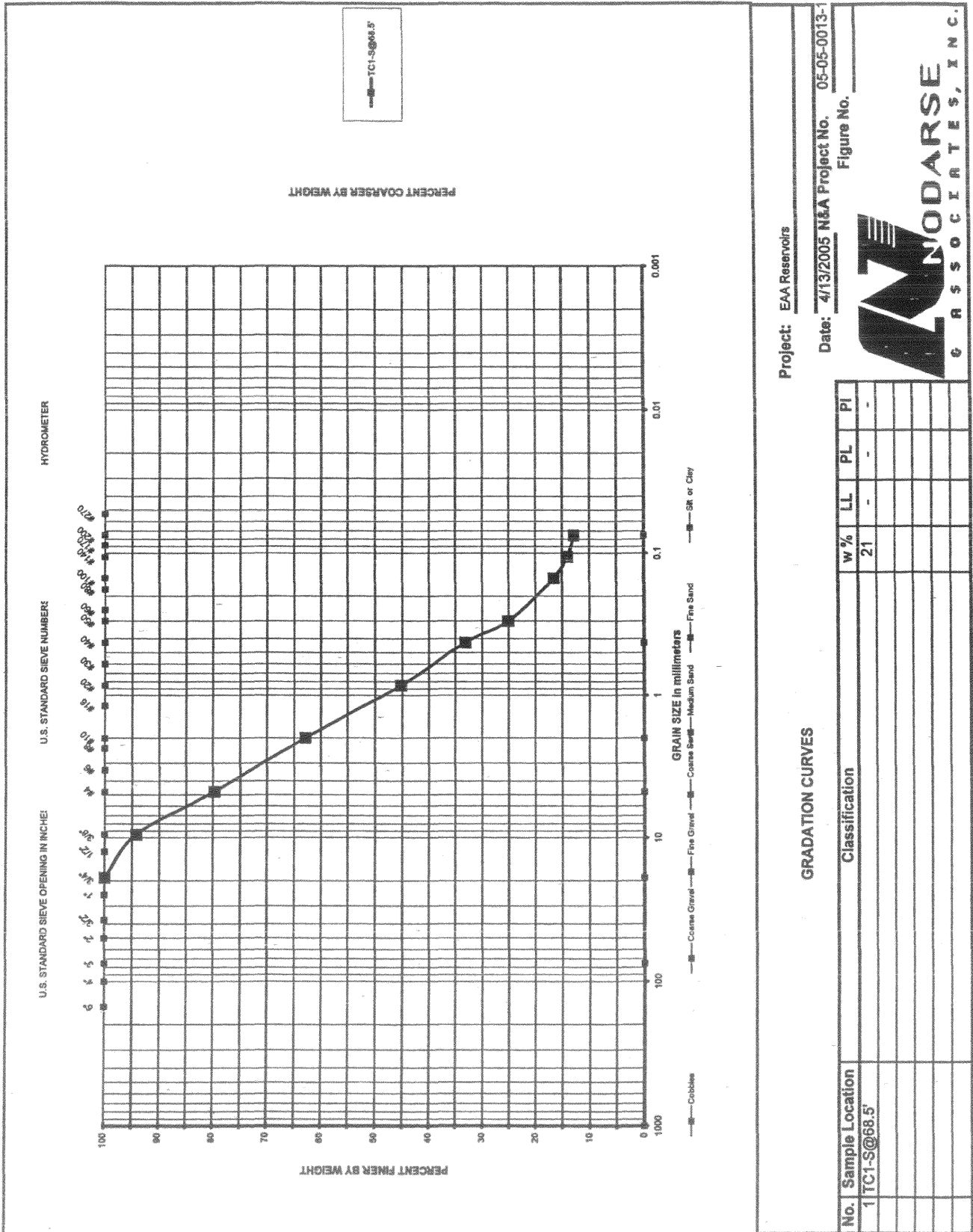












Project: EAA Reservoirs

Date: 4/13/2005 N&A Project No. 05-05-0013-  
Figure No.

GRADATION CURVES

No.	Sample Location	Classification	w %	LL	PL	PI
1	TC1-S@68.5'		21	-	-	-

